DOCUMENT RESUME

BD 125 566

IR 003 650

AUTHOR TITLE Drake, Miriam A. Libraries and Audio-Visual Center Cost Allocation

Study.

INSTITUTION

Purdue Univ., Lafayette, Ind. 'ibraries and

Audio-Visual Center.

REPORT NO PUB DATE

 $P/U-TR-RD\dot{U}-76-02$

NOTE

May 76 87p.

EDRS PRICE DESCRIPTORS

MF-\$0.83 HC-\$4.67 Plus Postage.

Audiovisual Centers; Costs; Departments; *Library Expenditures; Library Materials; Library Services;

Library Technical Processes; *Tables (Data);

University Libraries -

IDENTIFIERS

*Purdue University Library

ABSTRACT

A 1975 cost analysis study of the Purdue University Library and Audio-Visual Center collected data to ascertain the cost of services and materials during the fiscal year 1975 and to identify the allocation of costs among user groups, among library functions (e.g., processing, client services), and among end uses (e.g., instruction, research). This report describes the methodology used and states the results in the form of written analysis, circle graphs, and tables. (EMH)

LIBRARIES AND AUDIO-VISUAL CENTER

COST ALLOCATION STUDY

RDU 76-02

Submitted to the Office of the Provost Purdue University

By

Miriam A. Drake

Research Development Unit Libraries and Audio-Visual Center Purdue University West Lafayette, IN 47907

May 1976

U.S. OEPARTMENT OF HEALTH, EOUCATION & WELFARE NATIONAL INSTITUTE OF EOUCATION

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SUMMARY

The estimated cost of providing library and audio-visual services at the West Lafayette campus in 1974-75 was \$3.8 m.llion. Services to the public were 7% of the total or \$275,000 while services to the Purdue community represented 93% of the costs.

The cost of services for the nine Schools were:

| Agriculture | \$ 324,432 |
|--|-----------------|
| Engineering | 446,953 |
| Home Economics | 283,718 |
| Humanities, Social Sciences, and Education | 1,281,392 |
| Industrial Management | 196,897 |
| Pharmacy | 58 , 885 |
| Science | 524,922 |
| Technology | 111,468 |
| Veterinary Medicine | 34,050 |

Services to administrative, and non-teaching departments cost \$282,351.

These costs were based on a mixture of budgeted and actual expenditures and were distributed in proportion to the usage of services by each school.

BACKGROUND

The Libraries and Audio-Visual Center cost allocation study was undertaken primarily for the purpose of supplying input data for the Program Cost Study being conducted by Purdue University's Office of Analytical Studies (OAS). Prior to the initiation of the present study, two previous cost studies were examined to determine whether they could be used to fulfill the data needs of the Program Cost Study. The Quatman Study, which was completed in 1961, was undertaken " . . . to determine the average costs of providing library services and facilities to members of the university community engaged in research supported by organizations outside the university. The results of the study provided the basis and methodology to determine the indirect library costs which could be charged to outside research contracts. Quatman's results were found to be inappropriate for the following reasons: 1) costs were not attributed to teaching departments: 2) student and faculty populations were tallied on different bases; 3) basic data was old; and 4) there was no rational weighting system use to determine research usage of library facilities.

The 1971 Library Cost Study was the second study examined. (2) It was considered unsuitable to OAS's need because its focus was organizational rather than functional. In addition, the study did not attribute costs to user groups.

The study presented in this report was funded by the Office of the Provost and the Libraries and Audio-Visual Center.

Objectives

The objectives of the study were to:

- Ascertain the costs of providing library and audio-visual services and materials to the Purdue West Lafayette campus for fiscal year 1975;
- 2) Allocate costs by user groups (e.g., undergraduate, faculty, etc.)
 and by academic department;
- 3) Allocate costs by library function (e.g., processing, client services, etc.); and
- Allocate costs by end use (e.g., instruction, research, or public service).

The first and second objectives received the highest priority and closest attention. Objectives 3 and 4 have been completed to the extent that time and funds allowed.

In determining the costs of Library and Audio-Visual Center operations, the goal has been to obtain reasonably accurate data. It was not possible to determine all costs precisely; however, it is hoped that work in this area will continue and that refinements will be made in the data and collection methods.

Advisory Committee

Overall guidance for the study was provided by an Advisory Committee composed of the following persons: Frank Eikenberry, Head, Office of Analytical Studies, Ferdinand Leimkuhler, Professor of Industrial Engineering; Charles Lawrence, Professor of Cost Accounting; William



Corya, Head, Library Systems Development; Keith Dowden, Assistant Director, Reader Services; and Michael K. Buckland, Assistant Director, Technical Services. The committee met periodically with the study team to discuss methodological problems, review progress, and make suggestions. Each member of the Committee contributed ideas from different points of view. The Research Development Unit is grateful to Committee members for the time and effort they have contributed to this study.

METHODOLOGY

Cost accounting was the basic technique used to determine and analyze costs in this study. Standard cost accounting procedures, which were designed for profit-making institutions, were modified to accommodate accounting procedures used at Purdue. The works of Leimkuhler and Cooper (3), Shillinglaw (4), Gross (5), and Anthony, Deardon and Vancil (6), were used as general reference works in the field.

The framework for measuring costs in the Libraries and Audio-Visual Center was based on functional units rather than organizational structure. The system was divided into responsibility centers and cost centers.

A responsibility center is defined as a functional unit consisting of a variety of activities with a broad objective. The Libraries and Audio-Visual Center consists of two responsibility centers: materials acquisitions and processing, and client services. A cost center is defined as a unit which is relatively homogeneous but is directed toward defined activity. Figure 1 illustrates the relationship of responsibility and cost centers. Client related activities, such as reference, circulation, etc., take place in defined units which are the school and departmental libraries and the audio-visual service centers. These units are referred to as service locations in this study. Figure 2 illustrates the relationship of functional activities and the service locations.

Data collection difficulties precluded analysis of costs by desired cost center. For the purposes of this study, the Libraries and Audio-Visual Center were considered separate units. Selection, purchase, and

AUDIO-VISUAL SERVICES SPECIAL SERVICES CLIENT SERVICES SHELVING LOANS LIBRARIES AND AUDIO-VISUAL CENTER RESPONSIBILITY AND COST CENTERS REFERENCE AND INFORMA-TICH LIPRARÌES AND AUDIO-VISUAL CENTER ADMINIS-TRATION CATALOG RECEIPT MATERIALS ACQUISITIONS AND PROCESSING WAREHOUSE AND WAINTEN-ANCE Responsibility Centers PURCHASE SELECTICA Cost Centers 12

FIGURE 1

PUBLIC

WAREHOUSE AND MAINTENANCE.

UNDERGRADUATE STUDENTS UNIVERSITIES FACULTY GRADUATE STUDENTS OTHER USERS RELATIONSHIP OF FUNCTIONAL UNITS LIBRARIES AND AUDIO-VISUAL CENTER SERVICE LOCATIONS FIGURE 2. AUDIO-VISUAL DEPARTMENTAL LIBRARIES SCHOOL ? AND SERVICE CENTERS AND MATERIALS ACQUISITIONS
AND PROCESSING CATALOGING . PURCHASE SELECTION RECEIPT

receipt of library materials were grouped into a single cost center for acquisitions with a second center for cataloging and related activities. Identification of separate warehouse and maintenance costs was not possible. Library client services and audio-visual services could not be broken down into cost centers. The illustrations (Figures 1 and 2) are included in this report to provide a model for future studies.

In measuring costs for each functional unit, both direct and indirect costs were determined. Direct costs, that is those costs which are incurred as part of a specific activity include; salaries and wages, fringe benefits, equipment, materials, assignable supplies and expense, space, and utilities. Indirect costs, common to two or more cost centers, include; administration, fiscal office, personnel office, systems development unit, research development unit, mail delivery, xerox, telephone, travel, unassignable supplies and expense, and miscellaneous. Indirect costs have been allocated on the basis of professional salaries and wages for each functional unit.

Sources of Data

Salaries, wages, fringe benefits, and other expenses were based on budgeted data as actual expense data is not readily available. Equipment, materials, and assignable supplies and expense were based on actual expenditures. Assignable supplies and expense includes; order forms used by the Acquisitions Department, catalog card stock, and keysort circulation forms used by the Krannert and General Libraries. Equipment and supplies given to the libraries by the teaching departments

were not included in this study. The cost for space, utilities, and maintenance is based on estimates supplied by Physical Plant. The floor space assigned to Libraries and Audio-Visual Center activities was determined through computer printouts provided by Schedules and Space.

Staff Activities

Libraries staff working in service locations divide their time among a number of activities. In addition to the provision of direct client services, school and departmental librarians perform duties which are functionally related to materials acquisitions, such as book and serial selection, pre-order searching, order, and processing to make material readily available for users. In order to determine the proportion of salaries and wages that should be allocated to the various activities, professional staff were asked to estimate the time they and their support staff spend on specified activities. These proportions were applied to salaries, wages, and fringe benefits to determing the direct labor cost associated with the activities.

Library representatives and departmental library committee members, who are members of the teaching faculty, spend varying amounts of time on behalf of the library. The cost of their time was not included in this study because data concerning time spent were not readily available. Data contained in the Activity and Assignment Report issued by OAS were examined, but were found to be unsuitable because reporting of time spent on library committees by faculty members was incomplete, inconsistent, or nor uniquely identified. For example, some departments

reported assignment of library committee members, other reported only the library representatives time, while others reported no library activity. Time spent by library representatives and committee members represent a significant cost to the University and a substantial portion of materials selection cost. University administration costs also have been excluded from this study because data were not readily available.

Libraries Allocation Techniques

The primary objectives of this study were to determine the cost of providing library and audio-visual materials and services and to allocate these costs to user groups. There are three basic approaches to allocation:

- intended use, which is based on the idea that materials and services are provided with the intent that they be used by specific
 groups;
- 2) actual use, which is based on the measured usage of materials and services by defined user groups; and
- the indirect cost approach, which views library and audio-visual services as an indirect support function with costs to be allocated according to faculty salaries and wages.

The National Center for Higher Education Management Systems recommends that library costs be allocated to programs according to compensation

services be allocated according to actual usage. (7)

In this study, two allocations methods were applied to the cost data and compared. The first approach is a combination of actual use and intended use and is based on the idea that materials are purchased at the request of specific departments which intend to use them. Acquisitions and processing costs can be allocated on this intended use basis; however, it is not possible to allocate client services on this basis because they are offered to all groups. Client services, therefore, are allocated on an actual use basis.

ways. The first method sums costs for all service locations and apportions the cost on the basis of actual usage of the whole system. The second method takes into account the variances in cost and usage among the different service locations. The cost of service provision in smaller libraries with one or two staff will not be the same as the operating cost of larger service locations with more staff. In addition, usage of each library location is not consistent among the teaching departments. Thus, it is necessary to divide the cost of service at each location according to the usage of that location and sum the usage cost for each department.

The second overall allocation method is based on actual usage of the total system. The underlying theory is that library services are offered to the total community and the groups which use the library should bear the burden in proportion to their actual usage of materials.

Usage Data

The allocation of costs according to actual usage necessitates having accurate data concerning library and audio-visual users. The most convenient library statistic to collect is recorded circulation.

Librarians have raised two main objections to the use of this statistic as an indicator of usage:

- 1) in-house use and reserve book use are not taken into account; and
- 2) other services, such as reference are not segregated.

A study by McGrath at Louisiana State shows high positive correlation between the subjects of books used inside the library and books which are circulated outside. McGrath concluded "... that circulation totals, when grouped into self delineating spans, can be reliable indicators of the subjects being used within as well as out of the library." (8)

Densmore and Bourne (9) in their cost study at Stanford indicated that over-the-counter circulation data appear to provide a good estimate of the use of library services.

Purdue does not collect data on the use of library services by user group; therefore, a special study of recorded circulation was undertaken to provide this data. A copy of the Circulation Study is appended to this report.

A similar study of Audio-Visual Center usage was undertaken for the period February 1 through April 30, 1975. The results of the study are presented in Appendix Tables A-1, A-2, and A-3 and indicate equipment and material checked out of the center and substations and material used within the center.

Research Vs. Instructional Uses

A lower priority objective of this study was to allocate costs by end use, i.e., instruction, research, and public service. The last category, public service, is easiest to estimate because the circulation study includes usage by persons outside Purdue through direct charges and interlibrary loans.

The Cost Study Advisory Committee discussed the problem of research and instructional uses of library and audio-visual services at length.

There are no readily available or ridely accepted methods of allocating library costs according to end use. The Advisory Committee considered and rejected three methods:

- 1) assign research usage according to time spent as indicated on the Activity and Assignment Report;
- 2) allocate research usage among graduate students and faculty according to the Payroll Report; and
- 3) survey library users.

The Activity and Assignment Report and Payroll Report methods were rejected because neither report accurately reflects the amount of research being done which requires use of the Libraries and Audio-Visual Center. A survey of library users was considered unsatisfactory because of the time and expense involved. In addition, the committee concluded that the results of such a survey would not be sufficiently accurate.

The allocation of costs according to end use is important for the following reasons:

- the University needs to have reasonably accurate data in order to determine costs for its instructional programs;
- 2) the Office of Contract Administration, which is responsible for the Indirect Cost Study, needs data to determine the portion of cost which should be attributed to sponsored research and paid by the contracting agency; and
- 3) data on how library and audio-visual materials and services are
 used provide planning information for the Libraries and Audio-Visual
 Center Administration.

Time and funds available for this study precluded an in-depth examination of the issues involved in various end uses of the Libraries and Audio-Visual Center; therefore, it is recommended that these issues be studied further (see page 21).

Audio-Visual Costs

The Audio-Visual Center engages in a variety of activities in connection with the provision of services and material to is clientele. In addition to the selection, acquisition, processing, and loan of material, the center provides equipment which must be inspected and maintained and trained personnel who set up equipment configurations as well as operate the equipment.

Audio-Visual Conter personnel were not asked to supply data regarding the distribution of hours spent performing their various jobs; therefore, it was not possible to gather cost data for specific functions.

The total operating cost of the Audio-Visual Center was allocated to academic departments on the basis of usage data.



The direct and indirect cost items for the Audio-Visual Center are similar to those for the Libraries with the addition of depreciation for major equipment items, such as projectors, video tape playback units, tape cassette recorders, etc. Depreciation represents a major cost for the center because the equipment is essential to operations and has a limited life. Depreciation estimates were developed in a study undertaken by the Research Development Unit in 1975. (10) These estimates cover only major pieces of equipment and do not include films and other material which also have limited useful lives.

COST FINDINGS

The estimated cost of providing library and audio-visual services to the West Lafayette campus for 1974-75 was \$3.8 million. This sum includes both budgeted and actual expenditures. As indicated earlier, this figure does not include the cost of teaching faculty time spent on behalf of the Libraries, the cost of equipment or supplies provided by the teaching departments, or the cost of University Administration. A summary of major items included in the total cost is presented in Tables 1 and 2.

Details of libraries operating costs for fiscal year 1975 are presented in Appendix B. The cost of materials for the libraries was \$1,032,880 while the cost of selecting, ordering, and processing those materials was \$640,538. Processing costs represent 53% of the total cost of materials and processing books. Serials processing costs are substantially lower at 26% of the total serials cost. Percentage distributions for book and serials costs are showing in Figures 3 and 4. Direct services to users through school and departmental libraries cost \$1,660,854 in fiscal year 1975.

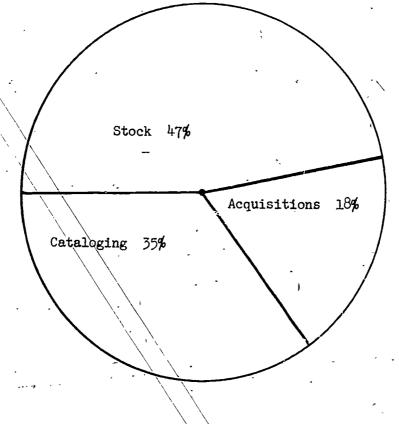
Cost Allocation

Allocation of costs to academic departments and classes of users is shown in Table 3. Approximately one-third of the cost of library and audio-visual services has been attributed to departments in the School of Humanities, Social Sciences, and Education. The Departments of Education and English, being the heaviest users of the system, have

Figure 3 Libraries/Audio-Visual Center

Percent Distribution of Books and Serials Cost by Function

BOOKS



SERIALS

Stock 74%

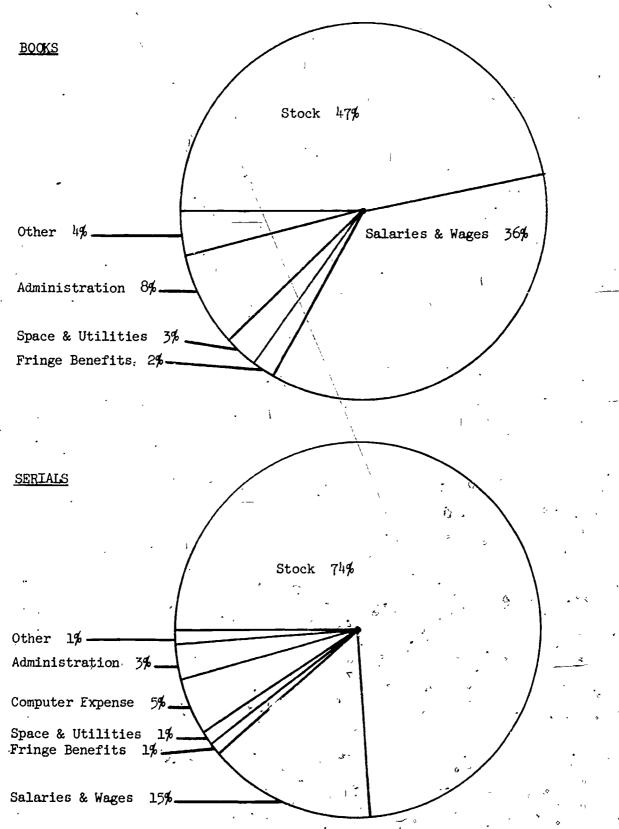
Cataloging 8%

Acquisitions 18%

Figure 4

Libraries/Audio-Visual Center

Percent Distribution of Book and Serials Costs by Budget Component



been allocated the greatest proportion of the cost. Interlibrary loan and public service accounted for 7% of the cost.

The Instructional Program Cost Study relates instructional costs to population according to F.T.E. faculty and students. Table 4 shows a summary, by department, of Libraries and Audio Visual Center costs per F.T.E. faculty and student. The highest per capita Libraries costs are incurred by graduate students in foreign languages and literature, history, and political science. Per capita costs range from \$.12 for undergraduates in statistics to \$1284.58 for graduate students in foreign languages and literature.

Because the allocation of library and audio-visual costs influences other cost studies being conducted by the University, it is useful to compare allocations which result from the application of different methods. Table 5 presents a cost allocation comparison based on usage, faculty F.T.E., and faculty salaries. The differences between allocations based on faculty F.T.E. and those based on faculty salaries range from 28% for the School of Technology to less than 1% for the School of Veterinary Medicine. A comparison of cost distribution based on usage with distribution based on faculty salaries produces significantly greater differences. For example, usage based cost for the School of Humanities, Social Sciences, and Education is 40% higher than cost based on salaries while the School of Agriculture's allocation is 93% greater if based on salaries rather than usage.

Cost allocation according to usage reflects the actual utilization of resources more accurately than indirect methods. Library and audio-

visual services are provided to the entire University community; however, the utilization of these services is not distributed equally among teaching departments and bears no direct relationship to the number of faculty and students in any department. In order for the University to have an accurate view of the resources utilized by academic departments, library and audio-visual services costs should be allocated on the basis of usage.

RECOMMENDATIONS *

Depreciation of Audio-Visual Equipment and Materials

Audio-visual equipment and materials have limited useful lives due to wear and tear and obsolescence. The current study included an estimate of depreciation for major equipment items, but excluded costs associated with minor equipment, materials (e.g., films), and equipment which has been fully depreciated. The quality of service provided by the center is dependent upon equipment which operates efficiently and reliably and materials which are in good working order. The Center's program of inspection, maintenance, and repair has prolonged the useful life of equipment and materials resulting in cost savings for the University with small loss in the quality of service; however, as equipment ages through use, the cost of repair increases and becomes uneconomic. The standards of audio-visual service on the West Lafayette campus will suffer if equipment and materials are not replaced. It is recommended that an inventory be taken of films in the film library. The listing should include identification number, purchase date, replacement cost, number of uses, projected replacement date, and annual depreciation In addition, it is recommended that the University provide reserve funds for the periodic replacement of worn out equipment and films.

Depreciation of Library Materials

Most library materials lose value over time due to wear and tear from usage or obsolescence of content. Classic works and many out-of-

print works, however, appreciate in value over time. There have been many studies in the field of bibliometrics which provide a basis for determining loss of value due to obsolescence. As the value of physical space in libraries rises, it becomes increasingly important to weed obsolete or unused materials from library collections. In addition, library materials represent capital assets and should be adjusted in value over time. It is recommended that a study be undertaken to determine obsolescence patterns for major library collections, and to identify classic works, or out-of-print materials which are increasing in value. Procedures for weeding library collections should be developed. Also, storage facilities should be investigated.

Research Uses of the Libraries

As stated earlier, the study team was unable to produce a satisfactory methodology for the allocation of costs to research and instructional uses of the libraries. The primary difficulties with existing methods are the assumptions that: 1) library usage is in direct proportion to the time spent on research and instructional activities by faculty and graduate students; and 2) libraries services utilized for research by faculty and graduate students are equal to those utilized in instructional activities. Cost estimates based on the two assumptions could produce misleading results and overstate or understate the cost of providing library services to research and instructional programs.

The financial management section of the U. S. Department of Health, Education, and Welfare in its proposed revisions to Federal Management

Circular 73-8 has stated that library resources and services are provided



primarily for the use of students and faculty with "... little or no services provided to Federally sponsored agreements ...". Because library materials may be purchased with research funds, HEW is recommending that library services no longer be treated as an indirect cost. Their alternative is to treat library services as an "other institutional activity" or a special service facility. The cost of special service facilities, such as electronic computers, animal centers, and audio-visual centers are allowable provided that the amount charged, as a direct cost, to the project is based on actual usage of the services. (11) The implication of the proposed revision is that library costs incurred in the provision of service to sponsored research can be recovered; however, the cost must be in proportion to the actual usage of services.

At the present time, the Libraries and Audio-Visual Center is not prepared to provide data for the implementation of direct costing of library and audio-visual services. It is recommended that a pilot study be undertaken in cooperation with the Schools of Engineering to determine the actual usage of library and audio-visual facilities for research purposes by faculty and graduate students in Engineering and to develop a methodology for the direct costing of these services.

TABLE 1

LIBRARIES AND AUDIO-VISUAL CENTER

COST SÚMMARY

1974-75

| | | | | · · · · · · · · · · · · · · · · · · · | |
|----------------------|------------|------------------|---------------|---------------------------------------|-----------|
| , | | LIBRARIES | | | × • |
| ITEM | Processing | User Services | Total | AUDIO-VISUAL | TOTAL (3) |
| Salaries & Wages | \$ 422878 | \$ 616963 | \$1039841 | \$ 249395 | \$1289236 |
| Fringe Benefits | 27197 | 48390 | 7 5587 | · 16140 | 91727 |
| Space & Utilities | 30639 | . 671593 | 702232 | 55830 | 758062 |
| Major Equipment | 1169 | 1058 | 2227 | 36 932 | 39159 |
| Minor Equipment | | · , | | 6773 | 6773 |
| Repair & Maintenance | ' | | | 8671 | 8671 |
| Depreciation | | | . , | 10140 ⁽¹⁾ | 10140 |
| - Computer Expense | 49752 | -0- | 49752 | 8697 | - 5844,9 |
| Supplies & Expense | <u> </u> | 6162 | 10049 | <u> 19165</u> | 29214 |
| Subtotal | \$ 535522 | 1344166 | \$1879688 | \$ 411743 | \$2291431 |
| Materials Stock | | | 1032880 | 15232 | 1048112 |
| Administration | 91182 | 240151 | : 331333 | 43903 | 375236 |
| Indirect | 29180 | 76546 | <u>105726</u> | (2) | 105726 |
| TOTAL | \$ 655884 | \$1660863 | \$3349627 | <u>\$ 470878</u> | \$3820505 |

⁽¹⁾ See discussion p. 14.



⁽²⁾ Indirect expenses are allocated to libraries only as items covered in this category are included in Audio-Visual Center supplies and expense.

This total includes both budgeted and actual expenditures.

TABLE 2

LIBRARIES AND AUDIO-VISUAL CENTER

INDIRECT COSTS

1974-75

Administration .

| Administrative Offices | • | | \$ 157263 |
|------------------------|---|-----|------------------|
| Fiscal Office | | • | 62964 |
| Personnel Office | • | | 22005 |
| Systems Development | | | 42416 |
| Research Development | × | : . | ´ 484 0 6 |
| Library Delivery | | | 42182 |
| Total | | | \$ 375236 |

Other

| r Costs Not Allocated Directly | 1. | | - | í |
|--------------------------------|-----|---|-------|-------------|
| Automotive | | | | \$ 637. |
| Printing & Office Supplies | á | | | 23669 |
| Travel | | • | | 8147 |
| Telephone . | | | * * * | 13580 |
| Postage | . ; | | | 12000 |
| Consulting Fees | - | | | 5139 |
| Computer Services | | | | 9910 |
| Rental Contracts | | | | 12457 |
| Minor Equipment | | , | • | 315 |
| Insurance | • | | • • | _ ጋ′ ′277 ʹ |
| Repair and Maintenance | • | | - | 4019 |
| Capital Equipment | | | | 15576 |
| Total | | • | | \$ 105726 |

-25-

TABLE 5.1
LIBRARIES AND AUDIO-VISUAL CENTER
ALLOCATION OF COSTS TO ACADEMIC DEPARTMENTS

1974-75

| | | LIBRARIES | COST ALLOCATION (1 | (1) | AUDI | AUDIO-VISUAL CENTER COST ALLOCATION | TER COST ALLY | CATION | CBAND |
|--|-----------|------------------|---------------------------------------|------------|------------|-------------------------------------|---------------|--------------|--------------|
| SCHOOL/DEPARTMENT | Faculty | Graduate | Undergraduate | Total | Faculty | Students- | Other— | Total | TOTAL |
| | | | | | | , | | | |
| | | | 03612 | . 20927 | 3063 | \$ 5790 | -0- | \$ 8853 | \$. 82545 |
| Agricultural Administration | 3, | TO TO | 9 | | 1567 | 705 | . 22 | 2684 | 44219 |
| Agricultural Economics | 12555 | 62,722) | 0/20 | 2007 | | 200 | ģ | 1863 | 6573 |
| Agricultural Engineering , ' | 019 | 1970 | 1 277 | 2000 | 1 6 | י סופר | 1,78 | 2067 | 27084 |
| | 2701 | 17051 | 4,265 | 71157 | 20.0 | 777 | <u>}</u> | 210 | 79.00 |
| 100.000 Co. 100.00 | 3024 | 6028 | 10701 | 15765 | S2 (| 0171 | | 7070 | 25,22 |
| William Concession | 1537 | 11353 | 5213 | 21103 | 1812 | T0# | <u>-</u> | (17) | |
| broonensery | 762. | 0,45 | 1679 | 15408 | 729 | ซึ่ | <u></u> | 755 | TOTOT |
| Boteny & Plant Pathology 1 | 2,7 | | | 890:11 | 371 | 393 | ļ | 565 | 14633 |
| Entomology | 777 | 27.5 | 1000 | 1000 | ۲۵٬۱۲ | 900 | ċ | 3532 | 561.56 |
| Forestry & Natural Resources | 91111 | , C#O | 45051 | 75754 | 7000 | יייר פרקיי | ç | 35.14 | 31281 |
| Hortfeulture | 2582 | 4587 | . 2025. | 70177 | 2622 | (m) | <u> </u> | ; | |
| | 20270 | REGRO | 84407 | 192462 | ≥ 14.546 | 14769 | 550 | 29665 | 254456 |
| Agriculture-lotal | 200 | | ? | | ب | | | | |
| | 20.0 | \ <u>``</u> | Ċ | 3685 | 349 | . 75 | ċ | ₹ 5 † | 6017 |
| Engineering Administration | 1040 1 | ? | ł | \ <u>\</u> | ` | ` | | | |
| _ | / | *** | 0,014 | 17802 | 080 | וצצו | - - | 5260 | 15151 |
| Salinearing | 6218 | 18695 | 14948 | 7,000 | 700 | 1000 | \ | 76.46 | 2000 |
| State of traingentify | 14427 | 23260 | 823 | 37516 | ردر درد | | ٠ • | 16 | 75 |
| רוובייזרמד דייסדיירים | 5100 | 1,2197 | 56499 | (1777) | 975. | 1420 | - - | 1050 | COSTE |
| Clvi Engineering | יישרנ | 0,502,0 | 21871 | 837/13 | 382 | 1961 | 142 | - 585 | מממ |
| Electrical Engineering | CHOTT | 2 | 0000 | 0020 | 6 | 2921 | ¢ | 3014 | 11211 |
| Freshman Engineering | 1)6 | | 2000 | 201.77 | , c | 1640 | ¢ | 2590 | 32067 |
| Industrial Engineering | 202 | 大 TOOT | 200 | 100 |).c | 1288 | ģ | 1507 | 16915 |
| Interdisciplinary Engineering | 154 | 20: | 17177 | 0100 | 740 | 777 | - - | 800 | 10849 |
| Materials Science Engineering | 7171 | 77.67 | 8200 | 10049 | 305 | | פננ | 2067 | 71069 |
| Wechanical Engineering | 6211 | 34156 | 26635 | 20069 | 1269 | 27.5 | 7 | 2 2 | 7697 |
| Aicher Frombering | 1156 | 15592 | • | _ 16748 | 5 | 44 | <u>-</u> | ћ. — | - |
| 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | 18907 | 202270 | 173221 | 1,24398 | .5577 | 21291 | 261 | 22555 | 1116953 |
| י דוופרוובבי זוופרוסימד | | - | | | | • | | • | 3 |
| The state of the s | 225 | . | 74807 | 75032 | 215 | 1,682 | o ' | 4897 | 62661: |
| Home Aconomics Administration | 0,40,6 | 72025 | | 37,166 | 1523 | 643 | ģ | 2166 | 76706 |
| Child Development & raminy Lile | 7200 | 255 | rogor fogor | 47005 | 612 | 518 | ! | 1130 | .51374 |
| Clothing & Textiles | 0001 | לאליני האליני | 100xx | 7000 | 674 | 1,492 | <u>.</u> | 5166 | 99005 : |
| Foods A. Nutrition | 74. | 1622 | | 90.190 | 483 | 689 | <u></u> | 1365 | 16773 |
| Home Management & Family Economics | 770 | 0.00 | */ O/ | 3 | } - | } | | | |
| Housing, Equipment & | 2,2 | , , , , , , | 08220 | 20817 | 8 | 1883 | <u></u> | 1978 | 33800 |
| Environmental Design | 7 | 68 | 6777 | 7705 | ` | - | | | _ |
| Restaurant, Hotel & | 202 | 3,530 | . مهارځ | 11,728 | . 77 | 635 | ģ | 902 | 15444 |
| Institutional Management | રે | 2002 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | 100 | 22.00 | <u>ه</u> | 80.1.10 | 817580 |
| Hore Economics-Total | 7579 | 72948 | 188783 | 269510 | X 2 | 5550T) | <u>.</u> | 3 | 2 |
| | | | | | | | | | |

(1) Libraries cost allocation is based on usage. The data were derived by dividing total cost in proportion to usage of the system.

TABLE 3.2

LIBRARIES AND AUDIO-VISUAL CENTER

ALLOCATION OF COSTS TO ACADEMIC DEPARTMENTS

| | The state of the s | | LIBRARIES C | cost allocation (1) | 1) | AUDI | AUDIO-VISUAL CENTER | ER COST ALLOCATION | CATION | GEAND | |
|-------|--|--------------|---------------------------------------|---------------------|----------|------------------|---------------------|-----------------------|----------------|-----------------------|--------------|
| ٠. | SCHOOL/ DEPARTMENT | Faculty | Graduate | Undergraduate | Total | Faculty | Students | Other | Total | TOTAL | |
| | Himman 4 + 1 3/2 Rocial Rotenos & | | | | | | | | , | | |
| | Administration | | 0 | \$ 36109 | \$ 36846 | 309 | \$ 2752 | ှ ဂို | \$ 3061 -0- | \$ 39907 _. | |
| | American Studies | 0.00% | 12563 | -0- 21575 | 38186 | -63 | 5340 | - - | 6027 | 44213 | _ |
| | | 19861 | 34268 | 50491 | 86755 | 1,298 | 6017 | op • | 12007 | 98762 | |
| ` ` ` | Creative Arts | 8025 | 17375 | 57336 | 82736 | 1912 | 6530 | ٠ أ | #555x | 91750 | |
| | Education | 61911 | 104391 | 65540 36019 | 151550 | טטאָאָ רריוֹל | 19607 | - ۾ ڄ | 10548 | 166976 | |
| | English | 22/20 | 71047 | 26686 | 103838 | 1950 | 2782 | ี้ လื | 1,756 | 10659 | |
| | rotelign banguage of the recurrence of the contraction of the contract | 543 | 127 | 9 | 670 | \ \ \ \ | ¢ | þ | þ | 670 | |
| | History | 12524 | 30546 | 47035 | 90105 | 3246 | 3488 | . | 67.34 1.24 | 96839 | |
| \ | | 526 | 87.55 | 22.5 | 1000 M | 7.7.5 | 4 4 | - - - | , 10 t K | * 100 y k | |
| ٦ | Physical Education-Men | 9 Y | 2872 1075 | 25557 | 28137 | 749 | 1037 | ļ | 1836 | 29973 | -2 |
| 3 | Physical Education - Moden | 118ء | 18662 | 39344 | 72175 | 1448 | 5633 | 123 | 7204 | 101328 | 0- |
| 3 | Psychological Sciences, | 8357 | 75487 | 53156 | 137000 | 6119 | 7540 | 4.3. | 14,362 | 151362 | |
| | Sociology & Anthropology | 8291 | 31758 | 33978 | 74027 | Z424 | 24 92 | þ | 式 2 0 | 19/02 | / |
| | Humanities, Social Sciences & | | | | , | | | | 1 | / | |
| | Education-Total | 119596 | 516930 | 530819 | 1167345 | 41275 | 72526 | 246 | 240411 | 1281.592 | • |
| • | Industrial Wanagement | 12171 | 70778 | 104:295 | 187244 | 848 | 8787 | | 3635 | 156897 | |
| | | | | | 7.000 | c | 2 | , , , | ָרָאָ מאַ | 16544 | |
| × | Pharmacy Administration | 409 | 11202 | , , -0 - | 12729 | } | , , | 188 | 188 | 71621 | |
| | Clinical Pharmacy | 1509 | 171. | 0- | 2680 | o · | 7.7 | ч. | 7.77 7.77 | 2727 | |
| | | 0.2.5 | 5959 | • • | 6699 | • | ₹ | ĵ, | * \$ | 6679 | |
| | Medicinal Chemistry & . | 3016 | 7503 | ģ | 10719· | ₹ * | ÷ ¦ | ę | ま | 10813 | _ |
| | Figure Cology & Toxicology | 5689 5689 | 6376 |) | †††06 | .44 | ¢ | ò | 17 | 1606 | |
| | Pharmacy-Total . | 10099 | 32181 | 15334 | 57614 | ויונ י | 27.5 | . 188 | 121 | 58885 | • |
| | | \ ' | , | | , | | | | | * | |
| | Science Administration | ģ | , | 25122 | 25122 | 96 | 1788 | ٠, | 1884 | 57006 | |
| | Etological Sciences | 97.9 | 41452 | 74613 | 125611 | 1070 | 12627 | 194 | 13891 | 159502 | |
| , | - Chemistry | 10677 | 06647 | 2022 41102 | 200 de 1 | 2, C. | 2746 | | 3296 | 17797 | - |
| | Ceoscience | 71701 | 19671 | 14832 | 1,5220 | 1965 | 2461 | 0 | 9277 | 91361 | |
| | Mathematical Sciences | 23475- | 30712 | 3858 | 92785 | 044 044 | 3671 | ָרַ , | 4191 | 96949 | |
| | Physics Statistics | 2477 | 14059 | 547 | 17083 | 110 12 | 231 231 | - - - - - | 282 282 | 17365 | _ |
| | Science-Total | -68794 | -210565 | 212366 | 491725 | 5583 | 27349 | 265 | 33197 | 226 AS\$. | |
| , | | | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | | | 1 | | , | | 7 |

(1) Library cost allocation is based on usage. The data were derived by dividing total cost in proportion to usage of the system.

ERIC .

TABLE 3.3

-LIBRARIES AND AUDIO VISUAL CENTER

ALLOCATION OF COSTS TO ACADEMIC DEPARTMENTS

1.974-75

| | The second secon | | A - ye commission - commiss | ACTUAL TO GOOD AND AND ADDRESS OF THE PARTY | | | | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | |
|------------------------------------|--|--|--|---|---------|--|---|---|--------|-------------|
| SCHOOL/DEPARTHENT | - 44 | LIBRARIES . | COST ALLOCATION | (1) | AUD. | AUDIO-VISUAL CENTER COST ALLOCATION | ER COST ALL | OCATION | | _ |
| | -Paculty | Graduate | Undergraduate | Total | Faculty | Students | Other | Total | GRAND | 1 |
| martin. | * . | ************************************** | | | | The second secon | , | | | |
| Technology Administration | 0 | \$ | -0- | 120 | 4 | 1 | | | | |
| Aviation Technology | 1077 | • | | אליסאר | 2116 | 10360 | | 5 E | 0 | _ |
| Construction Technology | о С | i o | - 1897. | 7074 | 281 | 766 | - - - | 4475 | 20551 | |
| Electrical Technology | 131 | · - | 7573 | 250 | 207 | 800 | <u>,</u> | 12.7 | 1.109 | |
| Industrial Education | 1307 | 13008 | 28.9 | * * * * * * * * * * * * * * * * * * * | t of | 8 | - | 1224 | 8358 | |
| Manufacturing Technology | 707 | | 10.170 | 7777 | 1051 | 7.59 | o o | 373 | 23563 | |
| Nursing Technology | 402 | 0-0- | 26305 | 26707 | 27.07 | , C 7 4 3 0 0 0 | -0- | 2637 | 13691 | |
| Supervision Technology | 226 | ¢ | 1,708 | 502 | 20102 | 2000 | -0- | 6592 | 33389 | _ |
| . Technology-Total | ZBEO | 12000 | 2004 | 200 | 2 | 3 | . | CISS. | 7257 | ا د د |
| 3 | 2 | 0)60 | 1.0241 | 92115 | 9217 | 10136 | ļ | 19353 | 111468 | : |
| Veterinary Medicine Administration | 101 | 14302 | ¢ | 14403 | 24.7 | , t | CCC | , | | -2 |
| Anatomy | 2515 | 1507 | þ | 4019 | 124 | ` ¢ | S C | 200 | 15065 | 7- |
| Animal Clinics . | 1902 | 544 | ¢ | 2345. | - 88 | } ¢ | • • |) to 6 | 4000 | |
| Microbiology, Pathology & | • | | | ``` | } | - } . | ; | 9 | くさくさ | |
| Public Health | 3915 | .6949 | ò | 10784 | 188 | ç | Ç | 00. | _ | |
| Physiology & Pharmacology . | 1375 | 8 | -0- | 1675 | 141 | o o | - - | 001 | 5/20T | |
| Veterinary Medicine-Total | 883 | 23021 | ģ | 32826 | נצס | - K | | | 2 1 | |
| | | | , | 2 | - | 2 | 200 | 1224 | 7±0% | |
| Other Purdue | | <u> </u> | B | 80391 | # # # # | } | 1 | 201960 | 282351 | |
| Interlibrary Loan & Public | | <u>ا</u> کر | | .251895 | 1 | | 4 6 E | 23544 | 275436 | |
| Total. | 1 | - | | 3349627 | i | • | : | 1,70878 | *800cc | |
| . (* 13 | | | , | • | | | | 2 | 75070 | |

(1) Library cost allocation is based on usage. The data were derived by dividing total cost in proportion to usage of the system.

TABLE 4.1

LIBRARIES AND AUDIO-VISUAL CENTER

COST PER TEACHING FACULTY MEMBER, GRADUATE STUDENT,

AND UNDERGRADUATE BY DEPARTMENT (1)

1974-75

| <u> </u> | , 291 | 4-17 | · · · · · · · · · · · · · · · · · · · | · | |
|--|--|--|--|---|---|
| N . | L | IBRARIES C | OST | V-OIDUA | ISUAL COST |
| SCHOOL/DEPARTMENT | Faculty | Graduațe | Under- graduate | Faculty | Students |
| Agricultural Administration Agricultural Economics Agricultural Engineering Agronomy Animal Sciences Biochemistry Ectany & Plant Pathology Entomology Forestry & Natural Resources Horticulture | \$357.14 564.55 29.47 71.05 100.55 206.71 292.83 206.68 244.02 137.94 | \$113.70 215.46 69.37 163.01 74.79 124.90 179.18 174.73 136.80 128.49 | \$ 42.53 26.75 15.04 31.72 29.84 83.01 77.02 284.01 79.26 73.52 | \$1854.12 71.25 45.46 33.41 36.01 82.56 48.78 11.33 78.10 122.66 | \$ 3.42 2.95 5.58 5.03 2.99 2.61 .32 7.97 3.65 4.87 |
| Engineering Administration Aeronautical & Astronautical Engineering Chemical Engineering Civil Engineering Electrical Engineering Freshman Engineering Industrial Engineering Interdisciplinary Engineering Materials Science Engineering Mechanical Engineering Nuclear Engineering | 3645.00 ⁽² 182.21 153.44 70.97 93.32 45.23 73.59 154.00 ⁽² | 232.53 298.21 178.05 196.30 |) -0- 63.45 39.40 50.24 39.94 24.05 52.24 88.44 42.20 -0- | 349.00(27.22 12.24 7.68 3.06 11.34 26.35 119.00 2.13 14.71 4.83 | 2) 75.00 (2) 4.21 3.24 1.87 5.28 1.72 5.17 4.77 11.81 1.81 41 |
| Home Economics Administration Child Development & Family Life Clothing & Textiles Foods & Nutrition Home Management & Family Economics | 278.47 42.92 65.73 108.39 | -0- 465.20 404.18 285.23 | 117.06 -0- 123.59 111.91 | 266.09 53.14 32.03 31.13 | 7.33 3.96 1.50 4.41 7.72 |
| Housing, Equipment & Environmental Design Restaurant, Hotel & Institutional Management | 103.26 | 477.37 357.40 | 111.54 | 7.17 6.74 | 8.39 |

⁽¹⁾ F.T.E. teaching faculty and students were provided by the Office of Analytical Studies. Per capita costs were derived by dividing costs for each group (as shown in Table 3) by the appropriate F.T.E. population.

(2) No faculty or students listed.



-29-\ TABLE 4.2

LIBRARIES AND AUDIO-VISUAL CENTER

COST PER TEACHING FACULTY MEMBER, GRADUATE STUDENT,

AND UNDERGRADUATE BY DEPARTMENT (1)

1974-75

| i i | LIBRARIES COST | | | AUDTO VIGUEL GOOM | | |
|--|---|---|----------------------------|--|---|-----|
| SCHOOL/DEPARIMENT | LIBRARIES COST | | | AUDIO-VISUAL COST | | |
| | Faculty | Graduate | Under- graduate | Faculty | Students | |
| Humanities, Social Sciences, & Education Administration American Studies Audiology & Speech Sciences Communication Creative Arts Education English Foreign Language & Literature General Studies History Philosophy Physical Education-Men | \$737.00(2 670.00(2 68.37 19.17 89.14 74.96 120.15 172.32 72.80 301.68 242.63 1.80 | 128.19 459.36 353.87 166.20 705.25 1284.58 127.00 1075.56 364.42 79.04 | 196.80 354.95 68.62 | \$309.00 ⁽² -0- 11.60 41.29 27.37 55.48 23.48 14.98 -0- 78.19 15.30 19.51 | -0- 11.76 16.62 14.29 13.98 15.25 13.03 -0- 13.04 | |
| Physical Education-Women Political Science Psychological Sciences | 15.74 145.48 73.42 | 229.14 1001.28 374.81 | 168.57 141.58 126.50 | 23.30 34.43 59.55 | 7.57 17.25 12.13 | |
| Sociology & Anthropology | 154.26 | 527.54 | 150.61 | 78.93 | 8.72 | . * |
| Industrial Management | / 79 . 05 | 155.25 | 43.00 | 5.51 | 3.05°, | |
| Pharmacy Administration Bionucleonics Clinical Pharmacy Industrial & Physical Pharmacy Medicinal Chemistry & | 409.00 ⁽² 76.73 48.69 55,25 |) 169.22 86.74 137.56 | 21.21 -0- -0- -0- | -0- -0- -0- | 1.11 -0- 3.48 2.18 | |
| Pharmacology & Toxicology | 205.33 240.12 | 252.63 193.21 | -0- -0- | .6.00 4.23 | -0- -0- | |

⁽¹⁾ F.T.E. teaching faculty and students were provided by the Office of Analytical Studies. Per capita costs were derived by dividing costs for each group (as shown in Table 3) by the appropriate F.T.E. population.

No faculty or students listed.

TABLE 43

COST PER TEACHING FACULTY MEMBER, GRADUATE STUDENT,

ÀND UNDERGRADUATE BY DEPARTMENT (1)

1974-75

| | | | \\ | \$ F | • |
|---------------------------------------|-----------|--------------------|---------------------------------|--------------------|--------------------|
| | | LIBRARIES C | OST | AUDIO-V: | ISUĄL COST |
| SCHOOL/DEPARTMENT \ | , | · | Under | .0 | <u>-</u> |
| / / | Faculty | Graduate | | ł | Students |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 1 | | <u> </u> | 2 2 2 2 3 | |
| Science Administration | \$ -0- | 3\-0- | \$ 51.53 | 4 79 00 | A 3 C0 |
| _ 1\ | 56.87 | 229.78 | | \$ 18.90 | \$ 3.67 |
| Biological Sciences | | | 60.61 . 86.62 | 6.37 | 8.95 |
| Chemistry | 51.51 | 188.17 | | 1.24 | 3.10 |
| Computer Science | 68.03 | 98.62 | 58.92 | 10.63 | .6.08 |
| Geosciences | 275,08 | 280.21 | 86.08 | 50.44 | [®] 10.15 |
| Mathematical Sciences | 104.18 | 262.05 | 75.85 | 1,99 | 1.16 — |
| Physics | 55.57 | 188.18 | 116.14 | 8.67 | 6 <u>.5</u> 4 ∘ |
| Statistics | 5 74 | √281 , 18 ` | 37.99 | .12 | 3.59 |
| \ | } | | À , | | |
| | , | \ . | \ | | ,, ,,' |
| Technology Administration | -0- | \ - 0- | -0- | -0- * . | -0- |
| Aviation Technology | 23.89 | ² 6- | 54,21 | 46.94 | 8.52 |
| Construction Technology | -0- | -0- | 17.33 | 21.17 | 1.11 |
| Electrical Technology | 6.35 | ÷0-\ | 24.85 | -27 : 32 | 2.17 |
| Industrial Education | .87.36 | 411.12 | 。 67 . 30 ³ √ | 70.25 | 5.67. |
| Manufacturing Technology | 33.47 | -0- | 35.87 | \ 84. <u>4</u> 1 ~ | |
| Nursing Technology | 11.07 | - :Q- | 68.01 | 71.88 | |
| Supervision Technology | 27.12 | -0 | 25.28∘ | 108.60 | 6.89 |
| | | , | | , , | |
| | | | | | |
| Veterinary Medicine | 00 C= | 10.6 | | 12 | , |
| Administration | 28.65 | 48.61 | -0- | 104.11 | .25 |
| Anatomy | 183.11 | 167.44 | -0- | 3.43 | -0- |
| Animal Clinics | 40.90 | 340.77 | · - 0- | 4.04 | 0- |
| Microbiology, Pathology & | | -07 -0 : | _ ^ | | , |
| Public Health | 219.75 | 183.78 | -0- | 10.55 | -0- |
| Physiology & Pharmacology | 125.37 | 49.18 | - 0- | 12.86 | -0- |
| 77m-111m-4 | a (| | | | _ |
| Unallocated | ********* | | 1 | | ** |
| Other Purdue | \$284081 | | | | |
| Outside Purdue | \$275463 | <u> </u> | | - | |
| | | | | | |

⁽¹⁾ F.T.E. teaching faculty and students were provided by the Office of Analytical Studies. Per capita costs were derived by dividing costs for each group (as shown in Table 3) by the appropriate F.T.E. population.



TABLE 5.1

COMPARATIVE COST ALLOCATION BY DEPARTMENT

| <i>'</i> | • | | |
|--|---------------------|-------------------|---------------------|
| • | - gov vor valendare | ALLOCATIONS | ACCORDING TO |
| - | | FACULTY | FACULTY |
| SCHOOL/DEPARTMENT | USAGE | ETE_ | SALARIES |
| Agricultural Administration | 82545 | , 16810 | 23305 |
| Agricultural Economics | 44219 | * 64949 | 62656 |
| Agricultural Engineering | 6573 | 43172 | 44700 |
| Agronomy | 27084 | 113851 | 112323 |
| Animal Sciences | 22164 " | 102390 | 100097 |
| Biochemistry | 23316 | 76410 | 57308 |
| Botany & Plant Pathology | 16161 | 680 0 5 | 60364 |
| Entomology | 14633 | 5 5015 | 48903 |
| Forestry & Natural Resources | 56456 | 61510 | 588 3 6 |
| Horticulture | 31281 | 64566 | 56543 |
| Agriculture-Total | 324432 | 666678 | 625035 |
| Engineering Administration | 4109 | 22541 | 30564 ^{`-} |
| Aeronautical & Astronautical | • • | | |
| Engineering | 42121 | 60364 | 68769 |
| Chemical Engineering | 3 8929 | 45846 | 52723 |
| Civil Engineering | 80112 | 152820 | 168484 |
| Electrical Engineering | 88826 | 126459 | 7138302 |
| Freshman Engineering | 44214 | 24451 | 23687 |
| Industrial Engineering | 32067 | 46228 | 55015 |
| Interdisciplinary Engineering | 16915 | 3439 | 5349 |
| Materials Science Engineering | 10849 | 26361 | - 29800 |
| Mechanical Engineering | . 71969 | 126459 | 142123 |
| Nuclear Engineering | 16842 | 19867 | -25979 |
| Engineering-Total | 446953 | 654835 | 7liò795 |
| Home Economics Administration | 79929 | 10315 | 10315 |
| Child Development & Family Life | 36332 | 30 564 | 26744 |
| Clothing & Textiles | 51374 | 19867 | 16810 |
| Foods & Nutrition | ÷ 50066 | 19867 | 17192 |
| Home Management & Family Economics | 16773 | 10697 | 10315 |
| Housing Equipment & | | /1 | /-/ |
| Environmental Design | 3380ô | 13754 | 11080 |
| Restaurant, Hotel & | ,,,,,,,,, | - 212. | * |
| Institutional Management | 15444 | 11461 | 9933 |
| ************************************** | ~/···· | | |

Home Economics-Total

283718

102389

116525

TABLE 5.2

- COMPARATIVE COST ALLOCATION BY DEPARTMENT

| | , | ALLOCATIONS | ACCORDING TO |
|--|------------------|-------------|--------------|
| | | FACULTY | FACULTY |
| SCHOOL/DEPARTMENT | USAGE | . FTE | SALARIES |
| .\ | *** | - | |
| Humanities, Social Sciences & | • | | ı |
| Education Administration | 39907 | 15282 | 18338 |
| American Studies · | 670 | • | - |
| Audiology & Speech Sciences | 44213 | 57308 | 50049 |
| °Communication | 98762 | 56161 | 53488 |
| creative Arts | 91730 | 84433 | 71443 |
| Education | 209473 | 143651 | 134864 |
| English | 166976 . | 131425 | 120728 |
| Foreign Language & Literature | 108594 | 92838 ^ | 84051 |
| General Studies | 670 | | |
| History , | 96839 | 59218 | 57309 |
| 'Philosophy | 23871 | 34385 | 32856 |
| Physical Education-Men | <i>3</i> 6263 | 32092 | 29418 |
| Physical Education-Women | 29973 | 31710 | 24451 |
| Political Science | 101328 | 45082 | 47374 |
| Psychological Sciences | 151362 | 109649 | 123020 |
| "Sociology & Anthropology | 80761 | 67241 | 68005 |
| Humanities, Social Sciences & | • | | |
| Education-Total | 1281392 | 960475 | 915394 |
| buca of one to oat | 1201/92 | . 900475 | 917)94 |
| Industrial Management | 19 6 897 | 141360 | 162754 |
| · · · · · · · · · · · · · · · · · · · | , | | • |
| Pharmacy Administration | 16544 | 5731 | 9551 |
| Bionucleonics | 12917 | 23305 | 24069 |
| Clinical Pharmacy | 2727 | 29800 | 28272 |
| Industrial & Physical Pharmacy Medicinal Chemistry & | 6793 | 20631 | 21013 |
| Pharmacognosy | 10813 | 45464 | 34002 |
| Pharmacology & Toxicology | 9091 | 19866 | * 20249 |
| Pharmacy-Total | . 5 88 85 | 144797 | 137156 |
| | , ,, | | -/1-/0 |
| Science Administration | 27006 | 6113 · | 6113 |
| Biological Sciences | 139502 | 158169 | 165046 |
| Chemistry | 98923 | 183384 | 167338. |
| Computer Science | 37797 | 41261 | 44318 |
| Geosciences | - 49646 | 51959 | 51195 |
| Mathematical Sciences | 96976 | 155877 | 189879 |
| Physics | 57707 | 165046 | 179946 |
| Statistics | 17365 | 34002 | 39351 |
| Science-Total | 524922 | 795811 | 843186 |
| | JE7 JEE | , 17,011 | 047100 |

TABLE 5.3

COMPARATIVE COST ALLOCATION BY DEPARTMENT

| | | ALLOCATION | ACCORDING TO |
|------------------------------------|-----------------|----------------|------------------|
| SCHOOL/DEPARTMENT | ` USAGĒ | FACULTY FTE | FACULTY SALARIES |
| Technology Administration | -0- | , 9169 | 10697 |
| Aviation Technology | 20551 | 51959 | 34003 |
| Construction Technology | 4109 | 6113 | 4966 |
| Electrical Technology | 8928 | 25597 | 21777 |
| Industrial Education | 23563 | 23687 | 22541 |
| Manufacturing Technology | 13691 | 28272 | 24451 |
| Nursing Technology | 3 33 89 | 53105 | 34002 |
| Supervision Technology | 7237 | 10697 | 10697 |
| Technology-Total | 11-1468 | 208599 | 1631,34 |
| Veterinary Medicine-Administration | 15063 | 12990 | 16046 |
| Anatomy | 4066 | 17574 | Ì8721 |
| Animal Clinics | 2533 | 62656 | 53105 |
| Microbiology, Pathology & | • | 1 | |
| Public Health | 10572 | 24451 | 28272 |
| Physiology & Pharmacology | 1816 | 13754 | 14518 |
| Veterinary Medicine-Total | 340 50 | 13,1425 | 130662 |
| Other Purdue | 28 23 51 | / | |
| Interlibrary Loan & Public | 275436 | / | |
| Total . | 3820505 | 3820505 | 3820505 |

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APPENDIX A

AUDIO-VISUAL CENTER USAGE

The tables which follow present summary usage data for the Audio-Visual Center for the period February 1 through April 30, 1975. Table A-1 is a summary of the use of equipment and materials by students, faculty, and others in each teaching department. In-House usage, that is, use within preview rooms located in the Stewart Center is shown in Table A-2. Loans of equipment and material from the Stewart Center and sub-centers are presented in Table A-3.

TABLE A-1.1

AUDIO-VISUAL CENTER LOANS FEBRUARY 1-APRIL 30, 1975 CHECK OUTS BY DEPARTMENT

| thereasy (Chas | | | EQUIPMENT | | | | | MATERIALS (1). | | - |
|--|---|------------|------------|------------|--------------------|-------------------|----------|----------------|-------------|------------------|
| ξε | Faculty | Staff | Students | Other | Total | Faculty | Staff | Students | Other | Total |
| tortological Raminstermenton | 8.7 | | . 66 | | 300 | ī | | , | , | ; |
| | , v | ; | , ל ל | . |) () | ₹∘ | . | χ. | . | 99 |
| | \; | စုံ | ω | , | - CS | , , | - - | 1. - | ; | א יכ |
| Agronomy | 6 | ċ | . A | -7 | |] 16 | ģ | 0 | - - | 72 |
| Animal Sciences | SS . | ċ | 92 | ċ | 2 | & | ¢ | `. | 90 | 2 2 |
| Biochemistry | ፈ' | o · | м , | o o | 32 | 17 | ¢ | o | 0 | 17 |
| Botany & Plant Pathology | ۔ ہ | o o | ٠, | o i | - | ਤ ^{੍ਰ} , | o o | 0 | ģ | .eg |
| Entomotory Petring Destrings | ÷ (| . | 21 = | . | 91 | ~ <u>;</u> | o o | ġ° | 0. | ٣. |
| Forestiff & margar nesources Forticulture | V. E. | ; | • | ; | 7 | 77 | . | a) o | ဝှံ ငုံ | 2. 2. 10. 10. |
| Agriculture-Total | , 8¢ | ó | . 98 | , <i>a</i> | l. 88 | 500 | Ģ | | ļ ļ | 24.5 |
| Engineering Administration & | | | | | | | | | | |
| Experiment Stations | .# | ģ | ò | ċ | .=#s | , 10 | ¢ | o | ò | 01, |
| Aeronautical & Astronautical | 1 | | | | • | | | | İ |) |
| Engineering | 50' | o o | 8 | o · | £4. | èν | ļ | ဆ | ċ | 71 |
| Chemical Engineering 'Co' | ه ه - | ; | 9 9 | ှ ဖ | 22.5 | - ; | o o | 2 | ¢ | . 21 |
| Citi Dustanting Electrical Engineering | 79 | ٦ . | 3 5 | ۽ د ا | 2 t | 17 | , , | ġ, | ပုံ | 71 |
| Freshman Engineering | . H | ļ | | ģ | 38 | ċ | ģ | , Ç | ; | 2,6 |
| Industrial Engineering | 13 | ¢ | ಸ | þ | 읓 | ร | ģ | ; œ | ċ | 7 2 |
| Interdisciplinary Engineering | þ | o- | 16 | ģ | 91 | , S | ġ | o ou | þ. . | , r |
| Materials Science Engineering | ٠, | ¢ | 1 1 | ò | 15 | 0 | ģ | . 1 0 | ģ | - x |
| Mechanical Engineering | ส. | ļ, | ನೆ. | W. | % | ₹. | ģ | . ~ | oʻ | .ئز |
| Nuclear Engineering | ≠ | ċ | ģ | Õ | | 0 | ٠ | . | o | ģ |
| Engineering-Total | 106 | н | . 231 | 6 | 7조 | 300 | o. | · 69 | . | 169 |
| Home Economics Administration | 00 | ģ | 8 | Ċ | ¥ | ģ | ¢ | K | | r c |
| Child Development & Family Life | 6 | þ | ્ય | 9 | ∵ १# | , K | ģ |). (| , | 04 |
| Clothing & Textiles | , <u>, , , , , , , , , , , , , , , , , , </u> | o ' | 80 | þ | 15 | 791 | ဝုံ | ٠. | ģ | 12 |
| Foods & Nutrition | 7 | ¢ | 7 | 9 | N | 87 | ģ | ات ا | ģ | - 0 |
| Home Management & Family Economics | Φ | ¢ | m | . | я , | 11 | ģ | ω. | | 8 |
| TOTAL TOTAL TOTAL TOTAL OF | 0 | Ċ | × | Ċ | - | | , | | , | • |
| Restaurant, Hotel & | j | } | ١. | 5 | ^ | N | ģ | 1 2 | ċ | 9 |
| Institutional Management | • • | 0. | | 0 | 4 | ĸ | ģ | | ċ | ٠, |
| Home Economics-Total | * | ċ | 61 | ċ | 700 | ٥٥٢ | ç | | - (| , , |
| | | | | • | 5 | <u>}</u> | þ | 5 | } | 2 |

(1) Includes films, media kits, slides and film strips.

TABLE A-1.2

AUDIO-VISUAL CENTER LOANS

CHECK OUTS BY DEPARTMENT FEBRUARY 1.- APRIL 30, 1975

| | | | | EQUI PMENT | | , | | | MATERIALS (1) | - | | _ |
|--|---------------------------------|---------------|----------|------------|----------|----------|----------|---------|---------------|------------|----------------|---|
| se, Social Sciences, & S | SCHOOL/ DEPARTMENT | Faculty | | Students | · Other | Total | Faculty | 1 | Students | Other | Total | |
| State Stat | Social Sciences. | | * | | | | • | - 1/ | | | | _ |
| Studies A Speech Sciences A Speech Sciences B Speech | Administration | ∞ | Ö | , .# | ¢ | 12 | 1 |)· o | | ģ | ď | |
| Africal Sciences | American Studies | þ | ·• | ģ | ģ | þ | 0 | þ | - | þ | \ \ \ | |
| Artis Ar | Audiology & Speech Sciences | 9 | þ | 13 | o | 19. | , 81 | ģ | 77 | ļ | 32 | |
| Arts Arts Arts Arts Arts Arts Arts Arts | Communication | 85 | þ | ጸ. | ģ | 55 | 7.7 | þ | Š | . | , 102 | |
| Studies & Literature | Creative Arts | _ જ | þ | 07 | ģ | 65 | 3 | ģ | ี่ผ | ģ | 86 86 | |
| Control of the cont | Education | 154 | . | 53 | | 80 80 | 747 | ģ | 87 | 0-, | 274 | |
| Language & literature | English | ಸೆ | ģ | 9. | ģ | 유 | . 157 | þ | 8 | . | 179 | |
| Struction-Women Struct | Languege & Literature | | ģ | -:3 -:3 | | 17 | જ | ģ | ر. م | ٠ <u>٠</u> | & | _ |
| 13 | Studies | • | . | ģ | ¢ | ģ | ¢ | ¢ | ģ | 6 | o¦ | |
| 1 | History | 63 | ģ | t) | ر د | % | 53 | ģ | ヹ | o o | | |
| 13 | Philosophy | 6 | ģ | - | ģ | 01, | 7 | ò | -1 | þ | ဃ ,′ | |
| 13 | Physical Education-Men | . | ¢ | 32 | ļ | % | તું | ģ | 71 | þ | <u>ጀ</u> | |
| 10 | Physical Education-Women | 13 | ģ | ~ | ģ | 16 | 13 | ģ | ત્ય | o | اگر | |
| 10 | Political Science . | ω | ģ | R | ģ | 94 | አ | ¢ | 19 | þ | | _ |
| 1 | Psychological Sciences | 88 | ģ | 式 | ۲ | 93 | 135 | ģ | 35 | . | 167 | |
| 11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | Scalology & Anthropology | ヹ | ģ | 15 | ¢ | 67 | 2 | ģ | ដេ | ¢ | 011 | |
| 11 | Himmonday Control Cot and an an | | | | | | | | | | • | |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | numanties, Social Sciences & | | ŗ | 700 | , , | Č | 4 | l¢ | č | (| • | |
| 1 | | 440 | ļ | 900 | ^ | 20. | 37.2 | ļ | #6X | þ | 1148 | |
| Exp0000000000 | | .a | ċ | | ç | | ลั | ć | | ć | 36 | |
| 20 - 0- 14 - 0- 14 - 0- 14 - 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0 | | • | þ | 5 | þ | 3 | 3 | ł | 1 | ; ; | ς. | |
| 2 -0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 | Pharmacy Administration | ģ | o- | 77. | ò | 114 | ò | ¢ | ģ | ģ | 0 | |
| 1 | Bionucleonics | ģ | ¢ | æ | þ | ಪ | o | ¢ | ģ | | þ | * |
| 1 | Clinical Pharmacy | <u>۔</u> | ¢ | þ | ¢ | | ¢ | ģ | ģ | ģ | þ | |
| 2 -0000000000 | Inquetrial & Physical Pharmacy | o o | ċ | N | ļ. | N | ¢ | ¢ | ģ | þ | ģ | _ |
| 2 -0000000000 | Medicinal Chemistry & | i | | • | | 1 | | | 1- | • | •. • | |
| 2 -0000000000 | Pharmacognosy | _ | ģ | ģ | ģ | - | ۰۷ ۲۱ | ģ | . | þ | Q | |
| 2 -0- 24 -0- 26 3 -000000000 | Phermscology & Toxicology | ģ | ģ | o¦ | ¢ | o | .4 | þ | ģ | ٠ • | 7 | |
| 2 -0- | Pharmacy-Total | cv | ò | 72 | o | 56 | ٣ | ģ | Ö | ģ | ĸ | |
| 2 -0- 6 0-0- 52 17 -0- 35 -0- 6 0-0- 52 0 0- 0- 35 0 0- 0- 35 0 0- 0- 35 0 0- 0- 35 0 0- 0- 35 0 0- 0- 35 0 0- 0- 35 0 0- 0- 12 0 0- 0- 13 0 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0 | | | | , | | | V | 1 | 1 | | ` | |
| 12 -0- 40 -0- 52 17 -0- 56 -0- 56 -0- 56 -0- 56 -0- 56 -0- 56 -0- 12 -0- 56 -0- 56 -0- 12 -0- 56 -0- 56 -0- 13 -0- 56 -0- 13 -0- 56 -0- 13 -0- 56 -0- | Science Administration | 0 | o · | 9 | ò | ω, | ¢ | ģ | ا | ģ | ٣ | |
| ences 6 -0- 20 -0- 26 2 -0- 12 -0- 12 -0- 15 5 -0- 15 15 -0- 15 0- | Biological Sciences | 21 | ٠ | Q (| . | Z, | , 17 | ļ, | % : | ģ | 53 | |
| ences 6 -0- 11 -0- 16 13 -0- 14 -0- 15 0- 14 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 13 0-0- 14 0-0- 122 3 169 148 -0- 80 -0- 2 | Chemistry | ا هـ | . | ର : | ļ. | ૹ | 8 | • | 15 | ģ | 14 | |
| Sciences 5 -0- 5 -0- 8 68 -0- 13 -0- 15 -0- 1 -0- 1 -0- 1 -0- 1 0- 1 0- | Computer Science | ر د | ģ | 11 | ļ | 16 | 13 | ģ | 2 7 | ģ | 17 | |
| Sciences 6 -0- 15 5 22 11 -0- 1 -0-, 1 -0-, 1 -0-, 1 -0-, 1 -0-, 1 -0-, 27 26 -0- 8 -0-, 27 26 -0- 8 -0-, 27 26 -0- 122 3 169 148 -0- 80 -0- 2 | Geosciences | ~ | ļ, | νį | ġ, | ဆ | 99 | ¢ | 13 | ¢ | 81 | _ |
| 10 -0- 27 -0- 37 36 -0- 8 -0- 0- 000- 122 3 169 148 -0- 80 -0- 2 | Mathematical Sciences | ِ ہ | ļ | 57 | | . 55 | ์ ส | • | ٦, | ģ | 12 | |
| -000- 3 -0- 3 -0- 20. 5 -0- 2 | Physics | ខ | ļ | 121 | ہ | 37 | ፠ | ļ | ω | ¢ | 7 7 | _ |
| ., ht -0- 122 3 169 148 -0- 80 -0- | Statistics | <u></u> | o · | ļ | ģ | ģ | ۲ | ģ | 'n | ģ | ,# † | |
| | | 1 11 | ļ | 122 | ٠. | 169 | 148 | o · | , | ¢ | 228 | |
| | | | | | , | | | 1 | | | * | _ |

(1) Includes films, media kits; slides and film strips.

TABLE A-1.3

AUDIO-VISUAL CENTER LOANS ·
CHECK OUTS BY DEPARTMENT
FEBRUARY 1-APRIL 30, 1975

| SCHOOL/DEPARTMENT | | | DOUI PAGNT | | | | | MATERIALS (1) | | |
|--|---------------|----------|----------------|--------------------|----------|----------|-------------------|----------------|----------|----------|
| ~ | Faculty | Staff | Students | Other | Total | Faculty | Staff | Students | Other | Total |
| | | | ì | | | | | | | |
| Technology Administration | ģ | ģ | | ċ | ď | | ۶ | • | • | • |
| Aviation Technology | 9 | þ | ۴. | , , | , 0 | 'nά | ; c | | | ļ; |
| Construction Technology | ဝုံ | ģ | · ~ | ه د <mark>ا</mark> | • |)) | ¦ | , o • | ; | ፚ |
| Electrical Technology | N | ģ | É | , | J C | י פ | င္ ၀ | ٠ ١ | o · | o, |
| Industrial Education | 9 | ģ | - V | ; | ۰ پ | | ှ ဇ | ; ٠ | ļ, | 9 |
| Manufacturing Technology | 6 | | . 23. | ; | 1 K | 0 29 | ခုံ ဇ | IJ, | ٠ أ | , 1,1 |
| Nursing Technology | 12 | ó. |),#I | ę | 4 % | 40 | ; c | ν. | ļ, | 67 |
| Supervision Technology | 55 | þ | ŀó | ģ |) F | ÷ 6 | ; | ļ [*] | , | 52 |
| Technolom:-Totel | ţ | • | |) | , | n | 5 | 7 | ; | 22 |
| | 2.6 | ģ | 61 | þ | 118 | . 561 | ģ | 11 | ģ | SO. |
| Votestabeles established vrestrated | ď | Ć | • | | 4 | | ı | | 1 | ? |
| Anatomic American Statement Strategies | ጉ (| . | ; | . | 6 | | ģ | ċ | ¢ | ç |
| Anthel Clinton | - - | ဂူ (| • • | o | ٠, | α | ģ | þ | ģ | ~ |
| Merchiology Pathology L | ¦ | - | ļ. | • | ģ | 6 | 0- | · • | ģ | 0 |
| Diblic wealth | • | • | | | , | | | | | • |
| The state of the s | ¦ | ; | ġ. | o o | ģ | | ġ | Ģ | | |
| ייל פיני בייליומי ווערסיים אלייני ווערסיים אלייני | <u>;</u> | - | , | ģ | þ | 9 | ģ | ģ | ģ | ٠,٧ |
| Veterinary Medicine-Total | 6 | 0 | ċ | , | c | , • | | • (| \ | |
| (6) | | | *. | , } | , , | Ť. | . | ģ | ¢ | ₹ |
| Other Departments (2) | ղղ9 | רק | יר ין כר ין | 0401 | į | ţ | `` | , | | |
| • | : !! | ! | 2 | 4013 | #) i's | 7.10 | 91 † , | 242 | r S | 1773 |
| - | | | | | | | | | | |
| Total Loans | `164 <u>2</u> | 75 | 1333 | 1098 | 4115 | 1803 | ארת | Ęų á | į | - |
| | \ | | | | } | } | Ç F | 0 | ¥ 0 | 2017 |

⁽¹⁾ Includes films, media kits, slides and film strips.

⁽²⁾ Includes Audio-Visual Production, Agricultural Extension Agents, Graduate School Administration, Library Administration, Audio-Visual Center, Business Offices, etc.

TABLE A-1.4
AUDIO-VISUAL CENTER LOANS
CHECK OUTS BY DEPARTMENT
FEBRUARY 1-APRIL 30, 1975

| | | | | | | | | | | ъ | | | | | - | 39 |) <u> </u> | | | | | | | | | | | | | | | | | | |
|---------------------------------------|----------|---|-------|------------------------|----------|-----------------|--------------|--------------------------|------------|--|--|-------------------|------------------------------|---------------------|------------------------------|------------------|----------------------|-------------------|------------------------|----------------------|------------------------|-------------------------------|-------------------------------|-------------------------|---|---|-------------------------------|---------------------------------|---------------------|-------------------|---|----------------------|--------------------------|-------|----------------------|
| | Total, | | ı | 'n | 1 4 0 | ኤ የ | 'n | 0 | ٠ ; | ۲, | ^ | . 25: | | ò | | 2 | ۳. | þ | þ | 0 | o, | , , | , , | , | - - | ٥ | 8 | N | 8 | δ | <i>2</i> 3 | o | ، و | } | 19 |
| | Other | - | 0 | , | ; | . ¢ | þ | ٠ ا | -0- | ۰ ۱ | ļ | o o | | ģ | • | ģ | þ | þ | þ | þ | -0- | þ | . | . | ; • | ; • | ģ | ģ | ģ | . | ļ | þ | , - | þ | ٠ ٻ |
| LOANS FROM SUBSTATIONS(3) | Students | | ٦, | . | ; | ģ | ģ | ģ | • | \ • • | ;\ ;\ | 1. | | þ | • | ¢ | þ | þ | ¢ | N | -0- | ¢ | o o | . | ; ° | N | н | -0- | þ | o' | ÇU | ġ. | ^ب ر ج م | þ | ĸ |
| ກຮ | Staff | | · '0. | ٠,٠ | ļ | | þ | o- | þ | \ | ļ | ۰ ۱ | \ | , \ | ٧ | ¢ | ¢ | þ | - | o | ¢ | þ | ٠ ٻ | ပုံ ဇ | ; ; | ļ | þ | ģ | þ | ģ | -0- | ģ | ċ | • | ļ, |
| | Faculty | | ۀ' | 'n. | 3/-7 | / .v | <u>~</u> | 9 | ġ | - × | ` | 23 | * | ģ | \ \ ' | <u>,</u> | 7 | ģ. | ģ | þ | - | ٠ ٻ | . | - - | } - | a | , , | ~ | a | 6 | ∾ | ¢ | d d | , ' | |
| | Total | | ឧ | ۰¦° | J .= | 'n | 27 | ģ | o o | พร | 75 | 9 | | 0 | • | 7 | ", | \ \ | 12 | ٦, | N | ģ | ģ. | # C | ļ | 7. | A† | þ | þ | 0 | = | N | is | , | ر د |
| r | Other | | ġ. | o d | , · | þ | o o | þ | þ | . | • | ¢ | | ò | | þ | ٠ | ģ | - - | 6 | ۰ ۱ | o , | . | ှ် ငှ | ļ (| • | ģ | þ | þ | ļ | . | þ | ģ | • | . |
| VIDEO EQUIPMENT AND TAPE CASSETTES | Students | | ଷ , | ٠. ٥ ٩ | , , | , , | . | o | • • | -0- -0- | 3 | , 21 | | þ | • | . 2 † | # | þ | ដ | ٦, | `. ~ | o'\ | ٠ \ ا | ; | i i | Ç . | . | þ | 0 | - - | o | α, | 4 | • - ; | 19 |
| i 63 | Staff | | ļ, | ا ا | þ | þ | ģ | þ | ٩ | ဂုံ ငှ | . | þ | | ģ | | ģ | ċ | 0 | , 0 | þ | ļ. | þ | ٠ د د | \ ;\ | , d | ; | o o | þ | o o | . | - | ģ | ¢ | . (| -0- |
| | Faculty | | ω, | - - | ب ا | M | 23 | ¢ | ٠, | .v v | > | 8 | ~ | þ | | ĸ | ٦, | ģ | þ | ¢ | . | ļ, | ٠ - | * ¢ | \ } ° | 9/ | ; | þ | - | ļ' | N | ٠, | þ | , | ر الا |
| * TYENTHAREU/JOOHOS | | | | Agricultural Economics | Agronomy | Animal Sciences | Biochemistry | Botany & Plant Pathology | Entomology | Forestry & Astural Resources That Antimitine | V + 30 + 30 + 30 + 30 + 30 + 30 + 30 + 3 | Agriculture-Total | Engineering Administration & | Experiment Stations | Aeronautical & Astronautical | Engineering | Chemical Engineering | Civil Engineering | Electrical Engineering | Freshman Engineering | Industrial Engineering | Interdisciplinary Engineering | Materials Science Engineering | Nechanical Engineering. | 0:::::0 | ייניפרי דיימי | Home Economics Administration | Child Development & Family Life | Clothing & Textiles | Foods & Nutrition | Home Management & ramily Economics Housing, Equipment & | Environmental Design | Institutional Management | | Home Economics-Total |

(3)Substations are located in Reavilon, Math, Life Science, Pharmacy, Krannert and Electrical Engineering.

TABLE A-1.5

AUDIO-VISUAL CENTER LOANS CHECK OUTS BY DEPARTMENT FEBRUARY 1-APRIL 30, 1975

| SCHOOL/DSBARMENT | , | VI TAPE A | VIDEO EQUIPMENT TAPE AND TAPE CASSETTES | it Ettes | | _ | DS . | IOANS FROM SUBSTATIONS (3) | | - | |
|--|------------------|--------------------------|--|----------------|--------------|-----------------|------------|----------------------------|--------------|-----------------|----|
| | Faculty | Staff | Students | Other | Total | Faculty | Staff | Students | Other | Total | `` |
| | | The second second second | 1 | | | | | | | | |
| numentries, social sciences of Education Administration | | ģ | ģ | ģ | 7 | ۰, | . | ò | ò | | |
| American Studies | ٠, | þ | þ | ģ | ģ | þ | þ | þ | 0- | ò | |
| Audiology & Speech Sciences | α , | ¢ | r | ģ | 2 | ĸ | þ | \ • | , , | 1 | ! |
| Commiscation | ኤ | þ | 6 | o | 7 | 1,2 | ۰ | , Q | , -0- | 11 | |
| Creative Arts | 27 | ٠ : | 23 | . | £ 8 | a ; | . | ٠ <u>,</u> | <u>.</u> | N | |
| Education Frontsh | g - | 수 - | ָל לָּ | . | Ş - | 8.5 | - - | -4 <i>-</i> - | င္ခံ င | رن در | |
| Ä | 121 | þ | , | . | 107 | i o | þ | -0- | 0- | ; ; | |
| General Studies | ٠ أ | þ | oʻ. | ¢ | | þ | d, | ģ | ģ | þ | |
| History | . | ģ. | . | • | 0.4 | 6ĭ . | 0- | -0- | -0- | -19- | |
| Failsophy | ļ - | င္ င | ဝှံ ဇ | ငှ ် | ٠, - | ٠, ' | . | ٠, | . | ٠ و | |
| Fugsical Education-Momen | , 1 .=1 | , , | ‡ | ¦.¢ | + _3 | | ; ; | ⁻ • | ; | אר | |
| Political Science | N | 0- | .4 | þ | • | ري د | ģ | , ~ | þ | 9 | `` |
| Psychological Sciences Sociology & Anthropology | <u>.</u> بې پ | ၀ ၀ | % • | -0- | | 3 हैं | 0 0 | ဝှံ ငုံ | . . † | 99 | _ |
| Binerities Sories Sections | ۸. | • | , * | • | | - |) | 5.) | þ | ,, | |
| 2010 | 137 | | 81 | o' | 218 | . 252 | ¢ | , | 0 | 258 | |
| Industrial Management ' | ::1 | 0 | . | ċ | ω | 7 | þ | þ | ó | मे | * |
| Pharmacy Administration | . | ģ | -0 | -0- | 0 | d | ç | *\ | ģ | ç | |
| Bionucleonics | ģ | ام م | 9 | φ | ģ | ō | 0 | -0- | 0- | } | |
| | ļ | 0- | ļ | ò | þ | ģ | · • | 0- | ļ | ģ | |
| Industrial & Physical Pharmacy | ٠ ٻ | o | o P | o · | ģ | ¢ | - | - - | ċ | ģ | |
| Medicinal cuemistry of Pharmacognosy | ò | ģ | o | ģ | þ | 7 | . 0 | ,,0- | o. | 7 | |
| Pharmacology & Toxicology | ٠ ر | ģ | ģ | ģ | 0- | ģ | -0- | þ | • | -0- | 1 |
| Pharmacy-Total | . | o . | þ | | ģ | ٦, | o o | 0 | o¦ | 1 | |
| Science Administration | ¢ | | þ | ģ | ģ | ./ | ċ | - | ċ | ĸ | |
| Biological Sciences | ≈ | 0- | d. | o , | Q | ': \ | ģ | • | ģ | ָ ינו | |
| Chemistry | 0 | - | r1 ₁ (| ٠ _, | ן, | ĸ | o · | ¢ | -0- | ĸ | |
| Computer Science | ÷ ¢ | . | | ငှ ငှ | ģ ¢ | می ^د | ္ | ļ, | 0-0 | | 1 |
| 1 Schences | • | , - | 'n | 4 | , m | 10 | , 4 | \ \ \ | . | - 1 0 | |
| Physics | . | , | o o | 00 | ٠ ٠ , | 9 | ¦ • | ٦, | ģ. | | |
| and a state of the | ; | 5 | , - | 5 | ÷. | - 1 | 5 | ċ | ÷ | 7 | |
| Science-Total | CI . | o O | _== | ٠ <u>.</u> | , | . 35 . | ģ | ľ | ģ | O t | |
| * Transfers, and | | , | ' | | | | | | | Linear Spinster | _ |

47

(3) Substations are located in Heavilon, Math, Life Science, Pharmacy, Krannert and Electrical Engineering.

AUDIO-VISUAL CENTER LOANS FEBRUARY 1-APRIL 30, 1975 CHECK OUTS BY DEPARTMENT TABLE A-1.6

| | | | <u></u> | -41- | |
|---------------------------------------|----------|--|--|---|--------------------|
| | Total | ٠ ٠ ٠ | - !¤¤ \^ \ \ \ | , - , , , , , , , , | 37 |
| | Other | , 000 | | | 7 7 |
| LOANS FROW SUBSTATIONS(3) | Students | 0 000 | , d 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | 174 |
| I | Staff | င့် ငှံ ငှဲ | 000000 | 000 00 00 00 00 00 00 00 00 00 00 00 00 | ٠ . · . |
| | Faculty | 90 | 60 0 0 0 0 | | 365 |
| | Total | o, 4 o, | המשל <i>י</i> ה מ | 999 99 9 | 158 |
| rres | Other | • • • • | · • • • • • • • • • | | . · 0 |
| VIDEO EQUIPMENT AND TAPE CASSETTES | Students | , , , , , , | ~ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | ••••••• | 529 |
| VI TAPE A | Staff | 0 0 0 0 | 0 00000000000000000000000000000000000 | | • • • |
| , , | Faculty | 수 수 수 | | , , | 74 > 318 |
| SCHOOL/DEPARTMENT | | Techniclogy Administration Aviation Technology Construction Technology | Electrical Technology Industrial Education Manufacturing Technology Nursing Technology Supervision Technology Technology | Veterinary Medicine Administration Anatomy Animal Clinics Microbiology, Pathology & Public Health Public Health Physiology & Pnarmacology Veterinary Medicine-Total | Other Departments' |

⁽²⁾ Includes Audio-Visual Production, Agricultural Extension Agents, Graduate School Administration, Library Administration, Audio-Visual Center, Business Offices, etc.
(3) Substations are located in Heavilon, Math, Life Science, Pharmacy, Krännert and Electrical Engineering.

TABLE A-2.1

AUDIO-VISUAL CENTER LOANS

IN-HOUSE USAGE BY DEPARTMENT

FEBRUARY 1-APRIL 30, 1975

| | <u> </u> | // | | | | | | | | | | | | , | `•, | _ | 42 | <u>2</u> 4 | `\ | <u>.</u> | | | - | | | | | | _ | | _ | | | | | _ | |
|---------------------------------------|-------------------|--------|------------|--------------|----------------|-----------------|-----------------|--------------|--------------------------|------------|------------------------------|--------------|-------------------|------------------------------|---------------------|------------------------------|----------------|----------------------|-------------------|------------------------|----------------------|------------------------|-------------------------------|-------------------------------|------------|---------------------|-------------------|-------------------------------|---------------------------------|--------------------|------------------------|------------------------------------|----------------------|------------------------|--|-------------|----------------------|
| | Total | \\ | 759 | 35 | 8 | 57 | 2 | 12 | ò | N | R | 43 | ָּזויָּ | , | 8 | , | 8 | 6 | K. | 9 | 1. 15. | 53 | | 27 | 15 | þ | 250 | Ę | 5 ~ | 1 0 | بر ق | ึง | | ĸ | 41 | . , - (| 183 |
| FTES | Other | | ¢ | w // | 0. | 16 | þ | ģ | þ | ģ | þ | ¢ | 19 | | ģ | \ | ģ | ò | ó | . | 0 | 0. | 9 | 6 | , | þ | - | ¢ | ¦ ¢ | , | ; | · 6 | | þ | 0 | / | ¦ ' |
| VIDEO EQUIPMENT AND TAPE CASSETTES | Students | | 159 | , 62 | 92 | <u>ت</u> ر ر | 42 | 21 | ģ | a | ĸ | <u>بر</u> | 380 | | <u>س</u> | | ଥ | 6 | ß. | હ | 30 | ŝ | 35 | 57 | 7 | 9 | 242 | Ę | 2 ~ | 10 | νQ | , cu | : | ጽ \ | al. | | , 183. |
| VIDEO TAPE AND T | Staff | | , - | \ | ġ, | 0, | þ | 0. | 0- | o | þ | þ | o- | | þ | | þ | ģ | þ | ģ | ģ | 9 | o. | 0- | 8 | \ • • | \ 6 | \ خ ا | , , | ç | ; | ģ | | þ | ģ | , , | ġ |
| TA | Faculty | | þ | þ | ģ. | þ | -0- | 0 | \ - - | 0- | -0 | 72 | 12 | | þ | `\ | ó | ٠ ٠ | ٥ | α | ĸ | þ | ģ | 0 | ġ. | ٠ إ | J. | | ģ | \ \ \ \ | ģ | þ | | ¢ | ģ | • | ģ |
| | Total | | | .# | 'n | ဆ | <u>ر</u> د | 'n | ģ | , | 8 | 14 | 711 | | þ | | . | ٠, | Ä | ź | 59 | 6 | . 27 | 7 | 12 | ٦, | , 38, 1,38, | 10, | 2,50 | , I,R | 19 | 1 | ``` . | 27. | ď | ٠. ٥ | 128 |
| | Other | | ģ | Ö, | ٠ ٻ | o N | ģ | ò | ļ. | þ | -0- | 6 | 0 | | ģ | | þ | þ | þ | þ | ģ | þ | o | ģ | ٦ | þ | д, | , - ç | } | \ \.\c\ | . / | 0. | / | ġ ġ | | 4 | ġ. |
| MATERIALS (1) | Students | | න ් | • | Ŋ | ΄. ω | à | ó | ģ | Q | 88 | · 19 | 8 | ` | 102 | í · | ĸ | 5 | 75 | †? | 59 | 6 | .⇒ | ٦ | σ | . ∴ | 127 | ç | 2.5 | يئرا | 00 | بغ | | 21 | , 'v' | | 127 |
| MATE | Staff | | ģ | þ | þ | þ | þ | ģ | .\ ¦ | 0 | ģ | ¦ \ | o | , | o, | , | ģ | ġ, | þ | ļ | þ | , | þ | ¢ | þ | ¢ | þ | ¢ | ģ | ģ | þþ | 0 | ` | oʻ | , ċ | , | ٠ ا |
| K | Faculty | | ٠ ^ | 7 | ٠ إ | þ | ģ | 'n | 0 | 0- | | 17 | 8 | | 0- | | , , | 0, | , , , | | ģ | 0 | 0- | ģ | <u>.</u> | ģ | ឧ | ¢ | þ | `_ | ' ငှ | þ | | ٠ ٻ | 0 | \ \ | ۲ |
| | Total | \mid | þ | ب | ģ | 7 | , 4 | 0- | þ | þ | ŗ | <u></u> | = | - | þ | | 7 | 7 | þ | # | ò | 0 | ٦ | 7 | ģ | ģ | Φ` | _ | ' ငှ | ç | þ | ģ | • | o o | ģ | • | - |
| . % | Other | | ٠ إ | ģ | ģ | ģ | ģ | - | ģ | þ | þ | ģ | ò | | . | | þ | | ċ | ģ | ر ا | .\. | 0 | - 0- | ļ | ¢ | -0- | ď | þ | | þ | ¢ | | 수 | ģ | | 0 |
| EQUIPMENT | Students | - | 0 | þ | o¦ | ٦ | ٦ | o¦ | ó | ģ | ٦- | o- | Ņ. | | | | ٦ | ٦ | ģ | æt, | þ | ģ. | بن | ٦ , | \ • | ģ | ω | _ | ' ငှ | ģ | þ | þ | | þ | þ | · 1 | ٦ |
| 103 | Staff | | | þ | ¢ | þ | o | ģ | þ | þ | þ | þ | ó | | þ | | ٠ م | ,- 0- | ģ | þ | þ | ¢ | þ | ģ | ģ | ģ | , O | ç | þ | ç | ģ | þ | | þ | þ | (| o |
| | Faculty | | ģ | ģ | þ | þ | ¢ | þ | þ | þ | \ \ | 7 | ч | | þ | | ģ | þ | ģ | þ | þ | þ | þ | þ | ģ | - 0- | þ | ç | , | ģ. | ģ | þ | • | | þ | , | ģ |
| | ARTMENT | | | | al Engineering | | ences | ry | Botany & Plant Pathology | | Forestry & Natural Resources | , | e-Total | Engineering Administration & | Experiment Stations | Aeronautical & Astronautical | ing | Chemical Engineering | neering | Electrical Engineering | Freshmen Engineering | Industrial Engineering | Interdisciplinary Engineering | Materials Science Engineering | , Buj | gineering | ig-Total | Home Proposits Administration | Child Development & Family Life | Chathan & dextiles | trition | Home Management & Family Economics | Housing, Equipment & | o Environmental Design | Restaurant, Hotel & Tostitutional Management | | Home Economics-Total |
| | SCHOOL/DEPARTMENT | | Agricultur | Agricultural | Agricultural | Agrenomy | Animal Sciences | Biochemistry | Botany & P | Entonology | Forestry & | Horticulture | Agriculture-Total | Froinserin | Experime | 7 Aeronautic | CO Engineering | Chemical E | Civil Engineering | Electrical | Freshman E | Industrial | Interdisci | Materials | Mechanical | Nuclear Engineering | Engineering-Total | Home From | Child Deve | Clothing & | Foods & Nutrition | Home Yang | E 'SursnoH . | o Environ | Restaurant | , | Home Econo |

(1) Includes films; media kits, slides and film strips.



ERIC Full Text Provided by ERIC

TABLE A-2.2

AUDIO-VISUAL CENTER LOANS

IN-HOUSE USAGE BY DEPARTMENT

FEBRUARY 1-APRIL 30, 1975

| · · | | | -43- | | | • | |
|------------------------|---------------|--|---|-----------------------|--|--|--|
| , | Total | 8-12222 | 155 148 1794 | 140 | 34 - 0- 1 | -0- -0- 71 | 73 199 199 179 179 179 179 179 179 179 179 |
| ment Cassettes | Other | - - - - - - - - - - - - - - - - - - - | , , , | (* 0 - | 0000 | • • • | ,-,,,,,,,,, |
| EQUIPMENT TAPE CASS | Students | , & - 12 E & S E E & S E | · 132 47 1762 | 140 | 34-0-1 | -0- | 188 22 22 28 58 62 11 19 19 |
| VIDEO TAPE AND | Staff | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 99 | ٠ ٠ | 0000 | 000 000 | |
| T. | Faculty | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | ٠, % | Ģ | 0000 | 000 | 0000000000000000000000000000000000000 |
| | Total. | 2002 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 641 641 | 153 | 4001 | 99 ° | 22 22 22 22 22 22 22 22 22 22 22 22 22 |
| ٠ | Other | | φφ φ | o o | 0000 | 수 수 . | |
| MATERIALS (1) | Students | 29 x 2 x 2 x 2 x 2 x 3 x 3 x 2 x 3 x 2 x 3 x 2 x 3 x 3 | 32 75 | 153 | ÷ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 99 % | 22. 22. 28. 28. 27. |
| MATE | Staff S | \$\$\$\$\$\$ | ^φ φ σ | þ | 0000 | ٠٠, ٠ | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| | Faculty | \$\$\$\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ | - 8 P | , o | , | ဝှဲဝုံ ဝုံ | 9 9 . 9 |
| 3 | Total | 99999999999999999999999999999 | 100 | | • ••• | 44 4 | 0 00000 |
| <u>.</u> | Other' | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | ļ. ļ. ļ | ģ. | 0000 | | ở ở ở ở ở ở ở ở ở |
| EQUIPMENT | Students | 9999999999999999999999999999999 | - d | ģ | 9 9 9·9· | · | · |
| EQU | Staff | \$\frac{1}{4} \displays \qquad \qquad \qquad \qquad \qquad \qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq | - - - - - - - - - - - - - - - - - - - | ò | | 0 0 0 | \$ |
| | Faculty | , , , , , , , , , , , , , , , , , , , | , - - | . | 4444 | 000 | 999999 |
| | | 48 U | - 8 | | · · · · · · · · · · · · · · · · · · · | | |
| LNEWLA FG.SQ/TOOHS | u/ Defentions | Humanities, Social Sciences & Education Administration American Studies Communication Sciences Communication Creative Arts Education English Foreign Language & Literature General Studies History Philosophy Physical Education-Wenen Physical Education-Wenen Physical Science | Psychological Sciences , Sociology & Anthropology Rumanities, Social Sciences & Education-Total | Industrial Management | Pharmacy Administration Bibnucleonics Clinical Pharmacy Industrial & Physical Pharmacy Medicinal Chemistry & | Pharmacognosy Pharmacology & Toxicology Pharmacy-Total | Science Administration Biological Sciences Chemistry Computer Science Geosciences Mathematical Sciences Frysics Statistics Science-Total |
| CHUS | 2000 | Humanities Education Addiology Communication Creative A Education English Foreign La General Sti History Philosophy Physical E | Fsych Socio Furan Edu | Indus | Pharm Bibnu Clini Indus | Pharm Pharm | Science. A Biologica Chemistry Computer: Geoscience Mathemati Physics Statistic |

(1) Includes films, media kits, slides and film strips.

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TABLE A-2.3
AUDIO-VISUAL CENTER LOANS
IN-HOUSE USAGE BY DEPARTMENT
FEBRUARY 1-APRIL 30, 1975

ERIC

Full Text Provided by ERIC

| | | -44- | |
|---------------------------------------|-------------------|--|-------------|
| | Total | | 13(0) |
| rtes | Other | | 3 |
| VIDEO EQUIPMENT AND TAPE CASSETTES | Students | | 4 |
| VIDEO TAPE AND T | Staff | 99999999999999999999999999999999999999 | ; |
| TA | Faculty | | 5 . |
| | Total | -0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0- | 7 |
| 15 | Other | | |
| MATERIALS (1) | Students | · | (()) |
| MATE | Staff | | ? |
| l | Faculty | | 3 |
| | Total | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | |
| EQUIPMENT | Óther | | • |
| | Staff Students | | 8 |
| noa | Staff | \$\$\$\$\$\$ | 9 |
| | Faculty | | |
| | • | EX OGY y Aministration cy & logy cy & logy otal | - |
| | SCHOOL/DEPARIMENT | Technology Administration Aviation Technology Construction Technology Electrical Technology Industrial Education Manufacturing Technology Nursing Technology Supervision Technology Technology-Total Veterinary Medicine Administration Anatomy Animal Clinics Microbiology, Pathology & Public Health Physiology & Pharmacology Veterinary Medicine-Total Other Departments (2) | Tacar regus |

⁽¹⁾ Includes films, media kits, slides and film strips.

⁽²⁾ nacludes Audio-Visual Production, Agricultural Extension Agents, Graduate School Administration, Library Administration, Audio-Visual Center pusiness Offices, etc.

TABLE A-3.1
AUDIO-VISUAL CENTER LOANS
FEBRUARY 1-APRIL 30, 1975

| | | | | | | 1 | | | | | | | | | , | |
|---|----------------|------------|--------------------|------------------|-----------|-------------|---------------|------------------|------------|---------------|----------------|-------------|-------------|------------|----------------|---|
| Anna francis and tradin | | JOHNS FRO | LOANS FROM STEWART | r center | | | LOANS FR | FROM SUB-CENTERS | N TERS | | | Q. | TOTAL LOANS | | | , |
| SCHOOL/DEPARIMENT | Faculty | Staff | Students | Other | Total | Faculty | Staff | Students | Other | Total | Faculty | Staff | Students | Other | Total | |
| Agricultural Administration | 129 | Ą | 243 | ¢ | 372 | ļ | ģ | ų | | τ | 129 | ٠, | १ १८ | ģ | 373 | |
| Agricultural Economics | ઌ | þ | 11 | íυ | 69 | <u>ئ</u> | . | ģ | φį | ŵ | \$ | ģ | 11 11 | ķ | 112 | |
| Agricultural Engineering ' | 0,1 | ģ | 으 | ¢ | တ္ထ | o- | / - - | ٠ إ | ¢ | o o | 오 | • | 04 | oʻ | ස | |
| Agronomy | 64 | ģ | 12 | ଷ | 150 | .:t | þ | 9 | ہ | . # | | ģ | <u>رر</u> | ଥ | 124 | |
| Animal Sciences | <u>~</u> | ę. | % | . | 8 | <u>~</u> | . | o, | <u></u> | ·Ω. | 9 ! | ģ · | 3 | ļ, | 105 | |
| Biochemistry | 7.7 | ģ · | 17 | . | ፍ | n | . | . | . | ~· | 77 | င္ ရ | 17 | ု ဇ | . | |
| Boteny & Plant Pathology | ₹ ' | ု င | ז ע ד | † | S. | ه د | . | ှံ ငှ | † ¢ | ه د | 3 r | ; | י אַ | ှံ င | 7 % | |
| Engonology | - 0 | ; c | 9 6 | ۽ ڊ | ر د | \ - | ; | ; ; | ; | <u> </u> | ~ § | , | 2 6 | , ¢ | 3 5 | |
| Forestry & Natural Resources Horticulture | <i>ኤ</i> | ¦ | 66 | - - | 2 | 1 KV | . | , - | , | 1 100 | 8 8 | ; • | \$6 | ; | 161 | |
| Agriculture-Total | . 83 | ģ | 621 | 23 | 1225 | 23 | · þ | г | ģ | ₹ | 709 | ۀ. | 622 | 8 | 1249 | |
| | | ģ | K | ģ | | - | ç | | ç | ¢ | 7[| ģ | ń | | 7 | |
| Edigineering Amenistation | 1 | } . | ` | } | 4 | * | , , | ; | } | þ | t | þ | , | • | ī | |
| Facineering | × | ¢ | 26 | ģ | 92 | * | ¢ | o | þ | 10 | - 39 | ¢ | 26 | þ | Ŕ | |
| Chemical Engineering | . . | o | . <u>.</u> | ò | 5 | .H | ¢ | ¢ | o | -1 | Ę | ¢ | r R | . | જ | _ |
| Civil Engineering | 1,4 | ٦ | 52 | ò | 101 | , 0 | ċ | o o | o | o | 14 | ٦ | 59 × | Ġ, | 101 | |
| Electrical Engineering | 91. | o o | 191 | 9- | 213 | ļ | ļ. | o ' | ļ, | ٠, | 97. | . | 191 | 9 , | 213 | |
| Freshman Engineering | a (| . | 121 | 0 | 125 | . | . | ∾ , | င္ ဇ | N . | - | . | 153 | ¦ (| 127 | |
| Industrial Engineering | | ; • | 0 0 | ļ (| 35 | ٠ - | ှ ၀ | ¦ (| - | ; c | <u> </u> | , , , |) () | ; c | 3,0 | _ |
| Interdisciplinary Engineering | <u>۸</u> - | - - | ጸ‡ | ှ် င | ر بر و | . | ငှံ င | ္င္ငံ c | ; c | ; c | <u>ر</u> ذ | ; | ጸዘ | ; c | 9 ¥ | |
| Materials Science Engineering | 77 | ¦ | 74 | ; * | ξ. | ¦ | ; c | ¦ | ; c | } | 79 | ; c | 34 | ; " | ָּבְּי | |
| Mechanical Engineering | <u>የ</u> | ; c | 5 5 | ۸, | נאן | ¦ | <u></u> | ; c | ¦ | - - - | ر د ک | ; c | ţ, | ٠. | , n | |
| Nuclear Engineering | <u>→</u> | <u>.</u> | ⊣ | ; | , | <u></u> | ; | ; | ; | ; | | ţ | 4 | ; | v. | _ |
| Engineering-Total | 231 | | 8 | Ħ | <u>\$</u> | _ | ¢ | cv | , O | 9 | 235 | ч | 702 | ដ | , 0, 20, | |
| Home Economics Administration | · ω | ٠ , | <u>1</u> 8_ | ģ | 50r | • | ģ | ۲, | ģ | Q | 6 | ģ | 197 | ģ | 206 | _ |
| Child Development & Family Life | 62 | ļ | 12 | . | & : | | þ | 0 | ģ. | ď | 10 | ٠, | 23 | ¢ | ጸ | |
| es. | な | ģ | | ¢ | 9 | N- | , O- | o- | ¢ | N | 56 | , o | 25 | o. | ష్త | |
| Foods, & Nutrittion | | ģ. | | ٠ <mark>٠</mark> | ස | _ | o o | φ | 0 | 6 | ജ | o o | 62 | ٠ - | 8 | |
| Home Management, & Family Economics | 27 | . | 2 | o O | ٠ | | o¦ | a | <u>,</u> | . | 29 | ဝုံ | 53 | ¢ | ξ χ | |
| Housing Equipment & | <u>.</u> | ć | · , £ | - (| ž | | c | 3 | | | <u>.</u> | | ; 6 | , < | Q | _ |
| Environmenter Design | , , | ; | Š | } | ે | <u></u> | ; | | ; | ; | * [^] | <u> </u> | 2 | } | 3 | _ |
| Restaurant, Hotel & Institutional Management | 8 | 0 | 72 | 0 | ጸ | ö | ģ | | , -0- | ģ | <u></u> | 0- 0 | 23 | • • | ጸ | |
| Home Economics-Total | 147 | ţ | 0 पूर | ئ. - | 587 | 16 | ¢ | , K | ¢ | 19 | 163 | ¢ | 5 7 7 | ¢ | 89 | |
| | : | | | | Ī | } - - | , | ` | , | ` | - | | • | • | | |
| | - | 1 | | | | | | | | | - | - | | 7 | , | ł |

TABLE A-3.2
AUDIO-VISUAL CENTER LOANS
FEBRUARY 1-APRIL 30, 1975

| | Faculty | Staff | LOANS FROM STEWART Staff Students | CENTER Other | Total | Faculty | Staff Stu | OM SUB-CENTERS Students Othe | TERS | Total | Faculty | TO. | TOTAL LOANS Students | Other | Total |
|--|----------------------------|---------------------------|--|---|------------------|---------------------------|---|---------------------------------|--|--------------------------|--|----------------|---------------------------|-----------------------|----------------|
| Rumanities, Social Sciences & Education Administration American Studies | :, :, | † † | 116. | \ | 127 | ٠ | , | . <mark>.</mark> | ¢ ¢ | ~ . | ង្ | † | 911 -0- | 0 0 | 129 |
| Audiology & Speech Sciences Communication | . 139 | 수 수 | 325 325 325 | ۀ ۀ | 251 161 | ۳ <u>۵</u> | • • • | ٥° | 66 | ٠ ٢ | . 681 181 | • • • • | 324 | 0 0 0 | 37.25 |
| Creative Arts Education Fnolish | 327 | , , , | 275 810 81 | ا ا | 377 | ωχΞ | ٠ ١ ١ | ۀ ٠٠ ـ | 4 | 0 K (| 4 4 5 5 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | م ر د | 275 811 | ٠, , | 379 1176 |
| Foreign Language & Literature General Studies | - 8 4 - 8 4 | , , , | jä 4 | , , | , 8 ¢ | | ; | ¹ | , , , | 4 0 | 88 0 | ; | 517 6- | , , | # 00 c |
| History Philosophy | <u> </u> | \ | 7بار 20 د ر | 0 0 0 0 | , 1855 1265 | ဥ္ပဝုံ | | 4 4 ′ | 000 | 200 | 137. | 46 | 15.0 1.00 | 0 0 0 0 | រត្ត វត្ត |
| Physical Education-Nomen Political Science | 12%; | ٠ ا | 13.55 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1 | - - - - - - - - - - - - - - - - - - - | 57.25 | י איר ועי | ÷ | - ⁶ - | , | N 4 0 | ሄጜዼ | ۰ ۱ | 114 15 237 | 수 수 수 | # % % - |
| Psychological Sciences Sociology & Anthropology | 219 . 145 | ဝှံ ဝှ | <u> </u> | ۰ ۰ | , 8,8,8 | % | , 6, | ၀ | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | % % | 285 179 | 0 00 | <u> </u> | ∾ ሳ | 3 8 |
| Humanities, Social Sciences & Education-Total | 1487 | 9 | 3045 | 솨 | 4542 | 252 | 0 | 9 | ó | % | 1739 | 9 | 3051 | # | 0084 |
| Industrial Management | & | : 0 | 372 | ģ | 70 A | # | o | ċ | ģ, | # | % | ģ | 372 | ٠ <u>-</u> | 80.4 |
| Pharmacy Administration Bionucleonics Clinical Pharmacy Industrial & Physical Pharmacy | , , , , , , | ဂုံ ^{ထံ} ဝှံ ဝှံ | , \$\frac{1}{2} | 0000 | ¥ूळप≒ | , 0 000 | •••• | • • • • • | 0 0 0 0 | 0 0 0 0 | ٥٠ ^٢ , ٥ | ۀ°° ◊ ٥ | ¥ 0 0 0 | 6 6 6 6 | ¥81. |
| Medicinal Chemistry & Pharmacognosy Pharmacology & Texicology | , ਸਾਜ , | • • • | † • | \$ \$ \$ | r ቋብ | } | . , | ; | · • • | ; | , , , , | , † † | * 00 | ÷ | # <i>'</i> V'H |
| Pharmacy-Total | 9 | ∞ ~ | 聚 | ģ | 52 | ٦ | . o | ò | o- | 1 | 7 | æ | ** | ¢ | 52 |
| Science Administration Biological Sciences Chemistry Computer Science | | , , , , | 74 532 77 | 6699 | 76. 574 86 | νд. С | , 9 | 444 | 0 00000000000000000000000000000000000 | ์ ผนีพ _ี เ | 4 5 0 % | ٥, 4 ¢ | 532 | , , , , , | 58,83 |
| Geosciences Mathematical Sciences Physics Statistics | 72 71 74 | ် (ဝုံ ဝုံ ဝုံ | 101 251 833 9 | \$ \$ \$ \$ | 12.52 | : - ፫4ッ ^수 - | - - - - - - - - - - - - - - - - - - - | , | \$ \$ \$ \$ \$ | /북 a u u | 7814 7864 7664 | 4444 | 1515 150 150 150 | ; | 88525 |
| Science-Total | 8 | , , | , 9411 | 10 | 1357 | | j oʻ | , ₁ | ģ | 0 7 | 235 | 7 | 1511 | } | 1397 |
| | | | | | 3 | | | | | | | | | | |

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TABLE A-3.3
AUDIO-VISUAL CENTER LOANS
FEBRUARY 1-APRIL 30, 1975

| | TANDER MENTAL TOTAL | 1 | OANS FR | LOANS FROM STEWART | CENTER | | | LOAMS F | FROM SUB-CENTERS | NTERS | | | + | TUTAL LOAKS | | , |
|----------|--|-------------|----------|------------------------|------------|----------------------|---------|------------|------------------|------------|---------|------------|----------|-------------|------------|------------|
| | | Faculty | Staff | Faculty Staff Students | Other | Total | Faculty | Staff. | Students | Other/ | Total | Faculty | Staff. | Students | Other | Total |
| _ | and the state of t | ć | ć | c | ٠, | • | | ; | !\. | , | 2 (| , | | | | |
| | Aviation Technology | - - - | ; | \$ & | . | - 88 - 88 - 88 | - - | ÷ ¢ | , , | ; ; | ှံ ငုံ | - C | ပုံ ငှ | ٠ ا | . | • 6 |
| _ | Construction Technology | ر م | ļ |). . | , - o | 19 | ~ | þ | , | . . | N | <u>}</u> ∞ | ļ ¢ | 22 | ¦ | 3 82 |
| | Electrical Technology | 17 | ၀ှ ၀ | 5.5 | ٠ <u>,</u> | 3 , | ~ | ģ · | ч (| ġ | 80 | ౘ: | o o | සූ | ġ | 22 |
| | Manufacturing Technology | SΈ | ; | , r | ا د | ٥ ز | ة م | ģ.¢ | N (| . | , , | 27 E | ٠ ا | 지; | ļ, | 5 |
| 5. | Nursing Technology | | þ | १ञ्ज | ; | 272 | , ° | ት ሳ | ļ. ģ | . | ļ \ | ָר ק | ု | ४४ | . | 128 |
| | Supervision Technology | % | ċ | 7. | ģ | 8 | - - | ģ | , rd | þ | אין כ | 3 PR | ¦ | 3 % | ¦ | 93 |
| | Technology-Total | 365 | ģ | 423. | ċ | 788 | 23 | ģ | . .3 | | 23 | . 388 | 0 | 1427 | 0- | 815 |
| | Veterinary Medicine Administration | . 75 | | * | <i>-</i> ‡ | 27 | ģ | -0-/ | ģ | þ | ċ | _ گر | u | K | | / 8 |
| _ | Anatomy | α. | o | o | þ | · cu | o J | -o- | | . . | þ | ۱۵ | <u>`</u> | , | ' ċ | - a |
| · · | Animal Clinics | א | ģ | . | ٩ | 6 | ļ | ÷- | 0 | o o | 0 | .6 | ò | . 수 | • • | 6 |
| • | micropiology, ramology & Rublic Health | α | ç | ç | ` | α | | . • | Ċ | • | , | ć | • | • | | . (|
| | Physiology & Pharmacology | 9 | þ | þþ | ¦ ¦ | wα | \ - | ا | ; | † ° | - - | 0 0 | ÷ | | ္ | o co |
| " | Veterinary Medicine-Total | 01 | 5 | W. | 1 | 52 | 0, | ļ | ·• | þ | ¢ | 01 | · | r | ± | 52 |
| _ | Other Purdue | 18k | . 501 | 4792 | 3241 | 9455 | 7 | þ | 53 | 7 | 37 | 88 | 503 | 4815 | 3248 | 94.92 |
| _ | Grand Total | 6004 | 555 | 11580 | 3293 | 1940 | 365 | ģ | मंग 🔨 | 7 | 1,16 | 4374 | 522 | 11624 | 3300 | 19820 |
| <u> </u> | | | v | | | \ | | | | - | i | | . • | | 1 | |

APPENDIX B

LIBRARY COSTS

A summary of library costs by function and department is shown in Table B-1. Library stock purchased was based on fiscal records. Processing costs were based on average acquisitions costs and average cataloging costs. Service costs were based on each department's use of each library and are not comparable to service costs presented earlier which were based on each department's use of the entire library system.

Operating costs for each library service location are presented in Table B-2. Processing center operating costs are summarized in Table B-3.

TABLE B-1.1

LIBRARIES AND AUDIO-VISUAL CENTER LIBRARIES COST BY DEPARTMENT AND FUNCTION (1)

1974-75

| * | | | | | / | | | | | | | | | | | | * | | | , | - | | | | | | | | | . ^ | | | | |
|-------------------|------------|-----------------------------|--------|--------------------------|------------------|-----------------|---|-----------------------|------------------------------|--------------|-------------------|----------------------------|------------------------------|--------------|----------------------|-------------------|-------------------------|----------------------|--------------------------|-------------------------------|-------------------------------|------------------------|---|-------------------|-------------------------------|---------------------------------|---------|-------------------|------------------------------------|---|-----------------------|--------------------------|------------------------|---|
| | | | | | | | | | | | | | | »÷ | | | | | | • . | • | | | | | | • | • | | | | | | |
| - (| TOTAL | 3070X | 15665 | 5347 | 27289 | 20141 | 35403 | 26792 | 15756 | 19220 | 192192 | 5537 | <u>;</u> , | . 77063 | 34.328 | 96709 | 72967 | 20524 | 31800 | 7893 | 21019 | 72868 | 18899 | 423414 | | , | • | | ₹) | | | | 125059 | |
| | COSTS | 4000 | 2000 | 2665 | 12079 | 84 | 21511 | 7544 | 25. | 1,0678 | 144795 | 5096 | | 24759 | 1987 | 36431 | 34419 | 19639 | 17871 | 7875 | 5469 | 32571 | 9730 | 210347 | *0*00 | , 8000r | 10385 | 17023 | 6758 | | 16211 | ካካ ሬካ | 99992 | |
| (2) | PROCESSING | 3 691 | ÷ °, | יונו יונו | 119 | 237 | ις ; δ | 140 | رباد درود | SEO . | 1688 | 306 | | 301 | 59 | 162 | 554 | 32 | 342 | නු - | <u>ფ</u> | 367 | £2,7 | , 2280 | | | | ٠. | (3) | • | | ٠, | 306 | |
| 4 | Total | ¥01x *. | 9241 | 5067 | 13019 | 7647 | 19371 | 16069 | 282 | 6613 | 90500 | 3135 | • | भ्या गांच | 10269 | 14534 | 28682 | 810 | 101 | ¢ | 12433 | 32113 | 5476 | 158573 | · | • | k= | | | · | | | 12738 | |
| SERIALS | Processing | _ 535° | 3412 | 997 | 8 8 8 · | 2761 | 2595 | 4746 | 0117 | 2358 | 56640 | €19 | | . 8683 | 2453 | 5043 | 5601 | | 2343 | 0 | 2839 | 7999 | 8 | 35,529 |) ,, | | · · · | · - | € | | , | | 5752 | |
| | Stock | . × | 5829 | 1070 | 1216 | 9884 | 16776 | 11747 | 4617 | 1,255 | 63920 | 2672 | | 35361 | 7816 | 19461 | 23081 | 547 | 47.74 | · | 3,25 | 25449 | 604 | 125044 | , ' | | 7 · · · | | | , | | . , | 9869/ | |
| | Total | 1300 | 6218 | 501 | 2012 | 087. 7.780 | 4515 | 2017 | 1717 | 1669, | 27021 | o- | ٧ | 7959 | 4513 | . 6126 | 9332 | -0- | 6510 | o o | 680¢ | 7817 | 2047 | 52214 | *- | : | | | · • | / | | , <u> </u> | 12023 | |
| BOOKS | Processing | £777 · | -3365- | 193 | 1029 | 1000 | 2077 | 1,7,7 0,00 0,00 | 0.50 | 648 | 13727 | , , | | 4727 | 2097 | 7805 | 4 333 | -0- | 3292 | ٠, | 8 | 5715 | 10/1 | 56027 | 1. | / | • | /· | (1) | | | • | 9112 | |
| | Stock | 225 | 2853 | 8 | 1043 | 25,5 | 2 2 | 25 | 1180 | 820 | 13294 | o o | • | 3232 | 2416 | 1251 | 6664 | o (| 3218 | - - | 1729 | 4102 | - - - - - - - - - - - - - - - - - - - | 26187 | | | | | | | 3 | • | 1061 | - |
| | - | | | | | | • | | | | | | _ | _ | | _ | , | | | | | | | | | | | ; | , | | | | | 1 |
| SCHOOL/DEPARTMENT | | Agricultural Administration | | Agricultural Engineering | Agrenomy | Animal Sciences | Blochemistry Botenie & Dient Botholoms | Fortonology 7 | Forestry & Natural Besonroes | Horticulture | Agriculture-Total | Engineering Administration | Aeronautical & Astronautical | Engineering. | Chemical Engineering | Civil Engineering | Electrical Engliceering | Freshman Engineering | Industrial Engineering . | Interdisciplinary Engineering | Materials Science Engineering | Mechanical Engineering | אחרובפת דיופליובבניינפ | Engineering-Total | Home Economics Administration | Child Development & Family Life | , | Foods & Nutrition | Home Management & Family Economics | nousing, Equipments & Environments Design | Restaurant, Hotel & . | Institutional Management | Home Economics-Total . | |

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⁽¹⁾ Allocations combines intended use for purchase of materials and actual use of services.

⁽²⁾ other processing includes costs incurred by the library in purchasing materials for the use of departments from departmental accounts. (3) Allocated according to usage of each library, see discussion p. 10.

⁽⁴⁾ Library fiscal system does not include breakdowns by department for Home Economics, Pharmacy or Veterinary Medicine.

TABLE B-1.2

LIBRARIES AND AUDIO-VISUAL CENTER

LIBRARIES COST BY DEPARTMENT AND FUNCTION (1)

1974-75

| | | | | -50- | | • | | | | | |
|---------------|------------|---|--|--|-----------------------|--|--|--|---|---------------|------------|
| - | | | | // | | , | | | | | ľ |
| –£ | TOTAL | \$ 19061 307 23149 54168 71540 1142947 167665 | 128706 17579 18639 14621 99614 84527 | 1092152. | 216470 | . | | 115/00 | 72788 77378 82076 78096 | 603839 | |
|) | COSTS | # 16417 307 16621 16621 16621 16210 36510 98223 70740 46761 | 1,2836 9409 11,989 11,946 1,946 1,21,62 3,4078 | 523466 | 117839 | 9544 9534 1822 5060 | 6545 6979 | 12295 62276 68793 | 44211 51480 17407 16666 | 280954. | |
| (2) | PROCESSING | 119 160 160 177 177 177 177 177 177 177 177 177 17 | , 7, 7, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, | 33 33 | 547 | (4) | , , | , 68 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 116 124 136 136 136 136 136 136 136 136 136 136 | 2891 | |
| • | Total | \$ 958 -0- 2743 6096 4121 13752 13752 13753 | 15748 7710 1616 901 23262 19544 20298 | 152062 | 4,3882 | , | + ((x \cdot) | 1724 62597 68051 | 5861 18183 31557 46149 | 237489 | , |
| SERIALS | Processing | 23. 20. 20. 20. 20. 171. 6792 10628 8518 | 200 200 200 200 200 200 201 201 201 201 | 94419 | 14854 | · (#) | . a | 2250 10811 1081 | 1285 1285 1838 6873 6553 | 149012s. | 1.15 C. C. |
| × | Stock | 825 1657 7794 2408 6960 9122 77045 | 8555 116 714 536 15920 1561 | 87586 | 29028 | | , , , , , , , , , , , , , , , , , , , | 1278 51786 57574 | 13345 13345 24684 39596 2638 | 195477€ | ^ |
| | Total | \$ 1567 3625 8116 30789 30377 77286 77286 | 70047 30444 2007 1841 34,329 22249 27733 | 413829. | 54202 | , | , , , , , , | 103 | 2500 7541 19075 1563 | 82505 | |
| BOOKS | Processing | \$ 619 1402 3717 15872 1876 13716 13716 | 0000 IO 00 37 AI AI | 225118 | , 22113c | € | Ωτη ς τ | 7173 | 25.22 25.22 25.514 85.77 | 40924 | |
| | Stock | 4 718 -0- 2223 4399 114917 11661 34215 31876 | 36357 13277 1054 843 14667 11038 | 112881 | 22069 | . ; | 16075 | 7267 13870 | 11,0 10,1 12,010 10,000 10,000 10,000 | 41581 | |
| "Wantaband" S | • | Humanities, Social Sciences, & Education Administration American Studies Audiology & Speech Sciences Communication Sciences Education English Foreign Language & Literature General Studies | | Humanities, Social Sciences & Education-Total | Industrial Management | Pharmacy Administration Bionucleonics Clinical Pharmacy Industrial & Physical Pharmacy Medicinal Chemistry & | Pharmacognosy Fharmacology & Toxicology Fharmacy-Total | Science Administration Biological Sciences Chemistry | Computer Strenge Geosciences Mathematical Sciences Fhysics Statistics | Science-Total | |

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⁽¹⁾ Allocation combines intended use for purchase of materials and actual use of services.

⁽²⁾ other processing includes costs incurred by the library in purchasing materials for the departments from departmental accounts.

⁽⁴⁾ Library fiscal system does not include breakdowns by department for Home Economics, Enarmacy, or Veterinary Medicina. (3) Allocated according to usage of each library, see discussion p. 10.

TABLE B-1.3
LIBRARIES AND AUDIO-VISUAL CENTER
LIBRARIES COST BY DEPARTMENT AND FUNCTION⁽¹⁾
1974-75

| | | | | | | | | | , | |
|--|-----------|------------|---------|--------|---------------------|------------|------------|----------------------|----------------|---|
| SCHOOL/DEPARTYENT | 2. | BOOKS | | 2 | SERIALS | | 6) | 1 | | |
| | Stock | Processing | Total | Stock | Processing | Total | PROCESSING | | | |
| | | | - | | | | 20000 | င္မေတာ္ႏ | TOTAL | |
| Technology Administration | 0 | ان د | - - | \$ 452 | \$ 273 | . 904 | 6 | | | _ |
| Aviation reconology Construction Technology | 1631: | 817 | 1542 | 3045 | 1415 | 1,460. | 121 | -0-0 -0-0 -0-0 | \$ 725 | _ |
| Electrical Technology | , 5, £ | 3,2 | 986 | ಸೆ | m | 27 | ä | 1615 | 1739 | |
| Industrial Education | 100 | 163 | ያ ያ | - Q | ٠ أ | † (| m | 3659 | 1,920 | |
| Manufacturing Technology | . 99 | 88 | 155 | } ¢ | 177 | 5 C | 85 ' | 9922 | 92511 | |
| Supervision Technology | 1356 | 1847 | 3203 | 200 | 717 | 1417 | 197 | 2012 10788 | 5172 | |
| Technology-Total | 2 . | \$ | 8 ; | ļ | ļ | ļ | 큐 | 2479 | 12780 | |
| 15001 / 2010 | 664 | 3915 | 8508 | 4501 | 5622 | 7123 | 376 | 42998 | 50005 | |
| Veterinary Medicine Administration | | , | * | • | | | | 2 | (me) | |
| Anatomy | | , | , | · | | • | 2 | 13942 | | |
| Animal Clinics | | | | | - | | 82 | 3926 | | |
| Fuctorious 4 rather 6 Earlier 6 | • | € | | | (7) | |) (| 505 | (3) | |
| Physiology & Pharmacology | | · . | | • | • | | 59 | 1166 | () | |
| Veterinary Medicine-Total | 1.50 | , , , | 10 | ^ | ı | | 23 | 1669 | я | |
| : | 2 | 6444 | 7.07.42 | 51450 | 15158 | 66588 | 276 | 31504 | 123135 | |
| Other Purdue | 26730 | 2409B . | 50828 | 79346 | 19246 | 0.6.00 | , | | | |
| Interlibrary Loan & Public | | | | 2 | 100 | 07/401 | . 1166 | 38623 | 197672 | |
| | / . / | / | | • | | - | | 128852 | 128852 | |
| Total | 557739 | . 399643 | 757382 | 675141 | χο ₀ 0ηδ | 720310 | 100 | | | |
| . 3 | | | | | | 3400.70 | 0)567 | 1660854 | 3349648 | |

(1) Allocation combines intended use for purchase of materials and actual use of services.

(2) other processing includes costs incurred by the library in purchasing materials for the use of departments from departmental accounts. (3) Allocated according to usage of each library, see discussion p. 10.

em does not include breakdowns by department for Home Economics, Pharmacy or Veterinary Medicine. (4)Library fiscal system

TABLE B-2

LIBRARIES AND AUDIO-VISUAL CENTER OPERATING COSIS OF LIBRARY SERVICE LOCATIONS (1)

1974-75

| _ | -, | | ៩ ឌីធីធី <u>តិ</u> | | 38% E | ************************************** | ij |
|--------------|------------------------|---|---|---|--|--|-----------|
| ٠ | SERVICE LOCATION | Aero, Astro, & Industrial Engr. Agricultural Engr. Aviation Technology Blochemistry Chemistry | Chemical Engr. & Materials Science Engr. Civil Engr. Education Electrical Engr. | Forestry-Horticulture General Geosciences Home Economics Krahnert | Life Science Mathematical Sciences Mechanical Engr. Nuclear Engr. Fharmacy | Philosophy-Political Science Physics Psychology Veterinary Medicine | gotal |
| | Salaries & Wages | \$ 23763 122 3575 3567 26936 | 11973 13221 8695 625 625 | 4321 284915 6705 16243 | 38682 19761 10887 2582 19386 | 2589 21969 11718 21208 | \$ 616963 |
| , | Fringe Benefits | \$ 1999 21 166 . 237 . 2590 | 856 611 586 527 | 254 20382 358 1710 5286 | 3606 1420 390 390 1414 1414 | 193 2019 910 2390 | \$ 48390 |
| DIRE | Space & Utilities | # 16101 1518 3546 2262 28686 | 5364 8781 3066 8280 5321 | 3972 360840 4239 6406 72645 | 39093 24.186 6057 4614 17118 | 1335 73798 7818 8547 | \$ 671593 |
| DIRECT COSTS | Major Equip. | ** | 99999 | | 207 207 -0- -0- | 0000 | \$ 1058 |
| ٠. | Supplies | \$ 66 -0- 259 -0- 371 | | 31 3572 135 67 192 | 238 238 238 238 238 238 238 238 238 238 | ÷80 ÷ 85 | \$ 6162 |
| / | Total | \$ 11929 1561 1661 1666 1788 | 18226 22619 12347 19020 3943 | 8578 669709 11551 2426 131426 | 82436 45629 17594 7760 38152 | 4117 57814 20498 32340 | \$1744166 |
| , | Adminis- tration(2) | \$ 8631 375 750 750 12008 | 5629 3377 5004 3377 | , 75922 2627 2627 9006 33396 | . 16135 2756 2251 1876 14624 | 1126 11632 6379 15385 | \$ 240151 |
| INDIRECT CO |) | 2749 106 211 211 3912 | . 1692 1593 1693 1693 1693 1693 1693 1693 1693 16 | 23577 23577 2960 10678 | 5181 5172 740 529 4652 | \$23 3700 2009 1864 | \$ 76546 |
| င်လာအို | Total | * 11380 *81 861 961 15920 | 7321 4534 7907 4634 | 1067 97499 3367 11966 | 21316 12928 2991 24.05 19286 | 1549 15332 8388 20249 | \$ 316697 |
| | GRAND | \$ 53509 2142 8507 7027 74631 | 25547 2005 42053 42053 4245 4245 | 9645 767208 14918 36392 175568 | 103752 58557 20585 10165 57438 | 5666 73146 28886 52589 | \$1660863 |
| | | | ` | 54- <u>-</u> - | | | |

⁽¹⁾ Includes only direct user services, such as circulation, reference, etc. Salaries and Wages associated with processing have been included in processing

⁽²⁾ Administration includes personnel, fiscal, systems, research, and the administrative offices.

⁽³⁾Other includes items which could not be allocated directly, such as telephone, postage, etc. See Table, 2 for detail.

TABLE B-3
LIBRARIES AND AUDIO-VISUAL CENTER

OPERATING COSTS. OF LIBRARY MATERIALS

PROCESSING CENTERS

1974-75.

| * | Acquisitions | Cataloging | Total |
|---|------------------|------------------|------------------|
| Salaries & Wages | \$ 210331 | \$ 212547 | \$ 422878 |
| Fringe Benefits | 11641 | /. 15556 | . 27197 |
| Space & Utilities | 15051 | 15588 | · 306 3 9 |
| Equipment | -0- | . 1169 | 1169 |
| Computer Expense | 34067 | 15685 | 49752 |
| Supplies & Expense | 1549 | 2338 | <u>3887</u> |
| Total Direct | \$ 272639 | \$ 262883 | \$ 535522 |
| , | | | |
| Administration (1) | \$ 33396 | \$ 57786 | \$ 91182 |
| Other (2) | 10784 | <u> 18396</u> | 29180 |
| TOTAL | \$ 316819 | \$ 339065 | \$ 655884 |

⁽¹⁾ Administration includes personnel, fiscal, systems, research, and the administrative offices.



⁽²⁾ Other includes items which could not be allocated directly, such as, telephone, postage, etc. See Table 2 for detail.

APPENDIX C

CIRCULATION OF MATERIALS FROM

PURDUE UNIVERSITY LIBRARIES

By

Miriam A. Drake

RDU 75-06

Research Development Unit
Purdue University
Libraries and Audio-Visual Center
West Lafayette, Indiana

September 1975



INTRODUCTION

In March 1974, the Research Development Unit (RDU) began a cost allocation study of the Purdue Libraries and Audio-Visual Center. The objectives of the study are to: 1) ascertain the costs of providing library and audio-visual services and materials to the West Lafayette campus; 2) allocate costs by user group and academic department; and 3) allocate costs by library function. The second objective, allocation of library costs by user group, is the subject of this report. A final report for the entire study will be issued later in the year. Allocation data for the Audio-Visual Center will be included in the final report.

Before library costs could be allocated by user group and academic department it was necessary to determine the users of the Purdue Libraries. Data on user identification was not readily available; therefore, a circulation survey was undertaken. The survey was conducted during the busiest three months of second semester, February 1 through April 30, 1975.

METHODOLOGY

Since Purdue's library circulation systems are manual it was not feasible to include every library transaction in the survey. Individuals collecting data were asked to include materials borrowed for overnight or longer in the sample. In addition, libraries which offer photocopy service were asked to report their photocopy activity for the sample period. In-library use of materials, Bookstall, and reserve materials were excluded from the study due to the difficulty and expense of data collection. It is assumed that reserve book usage is highest among people involved with courses for which the books are reserved. It has been suggested that over-the-counter circulation counts are poor indicators of library usage. One study has shown that there is a high positive correlation between books used inside and outside the library. McGrath, in his study, concluded that total library usage could be estimated from over-the-counter loan records for both subjects used and department of borrower.*

^{*}William E. McGrath. "Correlating the Subjects of Books Taken Out of and Books Used Within an Open-Stack Library." College and Research Libraries, July 1971.

Two libraries, General and Krannert, use a multi-part key sort transaction card for library loans. Copies of transaction cards were sent to the Research Development Unit after materials were returned to the library. The sample period for these libraries was extended one week in order to gather data on semester loans and other materials which were charged out before April 30 but returned before May 6.

Other Purdue libraries use a book card, on which the borrower signs his/ner name, for circulation control. Duplication of these cards was precluded by time, convenience, and expense. In addition, book cards generally do not contain sufficient data to fully identify the borrower. Special forms and imprinters to be used for data collection were issued to libraries using book cards. These forms, which were precoded for location, were sent to the Research Development Unit weekly during the study.

All libraries were instructed to ask every borrower for a passport (if Purdue student) or other means of identification, such as staff card, bursar's receipt, etc. All passports were imprinted on forms. Borrowers associated with Purdue but not in possession of a passport, were asked to present other identification and to give their status (faculty, student, staff) and department. These data were recorded on transaction cards or forms. There were two classes of borrowers not associated with Purdue; general public and interlibrary loan users. Public borrowers using the libraries were classified as "other". Interlibrary loans were classified separately by library location.

Identification of borrowers at each location was the prime purpose of the circulation survey; however, questions had been raised regarding the subject areas of materials borrowed by different groups from specific libraries. For example, it would be of interest to know how many Industrial Engineering students were using the Mathematical Sciences library for books on statistics. In order to answer these questions, libraries were asked to record the Dewey class number up to two places beyond the decimal point on forms to be included in the sample.

When forms were received by RDU a notation was made on a master control list to indicate that forms had been received for the specific library and week. In addition, each packet of forms was given a batch number which was used to maintain control between RDU and keypunching. Forms were examined for errors, presence of social security number or other means of identifying the borrower and presence of Dewey class numbers. After editing, forms were sent to keypunching.

The completed punched cards were sent to the Administrative Data.

Processing Center for processing. Social security numbers, which were punched from passport data, were matched against files from the Registrar's Office and Personnel Office to determine the status and department of the borrower. When a match could not to made, the transaction was labeled "error" and excluded from the final tabulation. All records containing social security number in RDU's files were destroyed to protect the privacy of individuals. Data were summed by level, department, and library location.

FINDINGS

The survey sample includes 100,240 items loaned directly from 23 libraries and 4361 photocopied items made by 8 libraries. The General library circulated 48.6% of the items in the sample (Table 1). It was believed that this figure was somewhat inflated because items which are part of school and departmental collections are stored in the attic of the General library and the 9th Street Warehouse and are charged out through the General library. Statistics maintained by the circulation staff indicate that approximately 85 items, less than 1% of General's total for the period, circulated from the General library were items from school and departmental collections.

circulation in the school and departmental libraries ranged by 6460 items (6.2%) in the Krannert library to 63 items (.1%) in the Agricultural Engineering library. There were 13 libraries with less than 2000 items circulated. This group includes 4 egineering libraries which are scheduled for consolidation and 4 libraries associated with the School of Agriculture. The latter 4 libraries together circulated 2768 items_during the survey period. Photocopies provided by Biochemistry represented 18% of the total circulation of the 4 libraries and 52% of the loans made from the Biochemistry library.

Undergraduates charged out the greatest number of items while graduate students received the greatest number of photocopies (Table 2). The



General library loaned the greatest proportion of items to each group on the campus (Tables 3 and 3A). Libraries receiving greatest use by faculty were General (38.1%), Chemistry (8.8%), Mathematical Sciences (8.8%), and Krannert (7.7%). The patterns of library use were similar for graduate students except that they used the Psychology library more heavily than the faculty. Undergraduates used General (62.2%), Home Economics (7.5%), and Life Science (5.2%) most heavily.

Interlibrary loans during the sample period were more evenly distributed throughout the system. Lending was greatest from General (19.0%), Life Science (13.4%), Pharmacy (12.0%), and Veterinary Medicine (11.3%). This distribution is not surprising in view of the specialized nature of these collections and their uniqueness in the State.

Purdue students and faculty borrowed 87.1% of items included in the sample (Table 4). Usage by School ranks as follows:

| 1. | Humanities, Social Science, and Education | 33.0% |
|----|---|--------|
| 2. | Science | 15.6% |
| 3. | Engineering · | 11.8≸ |
| 4. | Agriculture | 8.2% ~ |
| 5. | Home Economics | 7.7% |
| 6. | Industrial Administration | 5.3% |
| 7. | Technology | 2.6% |
| 8. | Pharmacy | 2.1% |
| 9. | Veterinary Medicine | 8% |

Circulation by school provides only a gross indication of usage among different disciplines and users. More meaningful information can

be derived by combining circulation and population data to produce per capita usage and distributions of usage compared to population (Tables 5.1, 5.2, 5A.1, 5A.2, 6.1 and 6.2). The figures below were calculated on the basis of head count data provided by the Registrar's Office for second semester and the University Personnel Office.

Per Capita Loans by School

| | Facult | У | Graduate St | tudent | Undergradu | ate |
|---|---------------------|-----------|---------------------|------------|---------------------|------------------|
| School | Per Capita Loans | c Rank | Per Capita Loans | Rank | Per Capita Loans | Ŕank |
| Agriculture | 3.2 | 7 | 5.2 | 9 | 1.6 | 4 |
| Engineering | 4.6 | 5 | 6.5 | 7 | 1.3 | 6 |
| Home Economics | 3,0 | 8 | 10.0 | 1, | 3. 5 | 2 |
| Humanities, Social Science & Educati | | . 2 | 8.5 | 5. | 3. 9. | ì |
| Industrial Admin. | 5.1 | 4 | 5.7 | 8 | 1.4 | [*] 5 |
| Pharmacy, | 5.5 | .3 | 9.0 | 4 | • ,•9 | . 8 |
| Science | , 7.3 | 1 | 8.4 | 6 | 2.2 | 3 : |
| Technology | 1.0 | 9 | 9•5 | 3 | . 1.3 | . 7 [.] |
| Veterinary Medicin | e 3.8 | 6 | 9.9 | 2 | 0 | 9. |
| Total . | 5.2 | - | 7•7 | , - | 2.1 | - |

Fer capita loans to faculty were greatest in Science; Humanities, Social Sciences, and Education (HSSE); and Pharmacy. Graduate student use was greatest in Home Economics, Veterinary Medicine, and Technology, with HSSE ranking fifth. Undergraduate use was greatest in HSSE, Home Economics, and Science. Library usage in relation to population can be seen by comparing the percentage distribution of loans and population

for each population group. Tables 5A.1 and 5A.2 show the percentage distribution for schools and department.

Distribution of Library Loans and Population Groups--West Lafayette Campus

| 1, 0 | Fac | ulty | Graduate | Studen | Underg | raduate |
|---|-------------------------|---------------|------------------------|---------------|-------------------------|---------------|
| School | % of Popu- lation | % of Loans | % of Popu lation | % of Loans | % of Popu- lation | % of Loans |
| Agriculture | 19.9 | 12.3 | 9.5 | 6.4 | 15.0 | 11.4 |
| Engineering | 16.1 | 14.1 | 18.2 | 15.4 | 19.9 | 11.7 |
| Home Economics | 3.8 | 2,2 | 4.4 | 5.7 | 7.9 | 13.1 |
| Humanities, Social Science & Education | 25.0 | 34.3 . | 36.7 | 40.6 | 19.7 | 36.4 |
| Industrial Administration | 3.7 | 3.6 | 7.6 | 5.6 | 11.1 | 7.2 |
| Pharmacy | 3.7 | 3.9 | 2.8 | 3.3 | 3.3 | 1.3 |
| Science | 18.6 | 26.0° | 18.7 | 20.3 | 13.5 | 13.8 |
| Technology | 5.8 | | •9 | 1.1 | 8.3 | 5.1 |
| Veterinary Medicine | 3.4 | .2.5 | 1.2 " | 1.6 | 1.3 | 0 |
| Tótal | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |



ALLOCATION METHODS

The cost study will utilize two methods to allocate library costs.

The first method will divide library costs into two general categories;

processing and service. Processing costs are all costs associated with

the purchase decision, order, receipt, classification, cataloging, and

marking of materials. Under this technique, the cost and number of materials purchased are determined for each department fund. The processing

cost is then divided among the departments on a unit basis.

where P = total processing and material cost for any department

M = cost of materials for the department

T, = processing costs

$$T_{\mathbf{i}} = \frac{A_{\mathbf{i}}}{A}(C_{\mathbf{i}}) + \frac{D_{\mathbf{i}}}{D}(C_{2})$$

where A_i = number of items purchased for the department

A = total number of items purchased

C₁ = acquisitions costs

D, = number of items cataloged for the department

D = total number of items cataloged

Co = cost of cataloging, classification, marking, etc.

Acquisitions and cataloging costs will be further subdivided into serials and monographs.

The costs of providing service to library users is not expected to be uniform throughout the system. Service costs which are allocated to user groups will vary among libraries in proportion to space, equipment, staffing, etc. The cost of operating public facilities, reference, circulation and other services is determined and allocated on the basis of recorded circulation. In order to determine average costs for library system services to a department the following formula will be used:

$$S_{i} = \frac{X_{i}}{X}(Y)$$

where S, = service cost for a department

X, = number of loans by faculty and students in the department

X = total number of loans

Y = total service costs

This formula does not account for the differences in operating costs among the school and departmental libraries; therefore, a separate allocation will be made for each department's use of each library location.

These costs will be summed to show the total cost of providing services to each department.

$$S_1 = \frac{u_{1.1}}{U_1} (L_1) + \frac{u_{1.2}}{U_2} (L_2) + ... \frac{u_{1.23}}{U_{23}} (L_{23})$$

where S₁ = cost of providing service to one department

u_{1.1} = number of loans to users in one department from library 1

U1 = total loans from library 1

L₁ = operating costs of library l

u_{1.2} = number of loans to users in one department from library 2

U₂ = total loans in library 2.

L₂ = operating cost of library 2

The two elements of processing and service are combined to give a total cost for providing materials and service to a department

where L = total costs of library service to a department

The second allocation method combines all costs associated with the libraries and attributes them to departments on the basis of usage. The gross allocation percentages are in the last column of Table 4. After costs have been attributed to specific departments both techniques further subdivide costs on the basis of usage by level. For example, if the total cost of operating the libraries were \$1,000,000, 5.3% or \$53,000 would be attributed to the School of Industrial Administration. This cost would be further attributed as follows:

| Faculty Graduate Students | 6.6% 37.8% | \$ 3,498 20,034 |
|------------------------------|---------------|---------------------------|
| Undergraduates | <u>55.6%</u> | 39,468 |
| Total | 100.0% | \$ 53 ,00 0 |

The allocation of faculty usage to instructional programs will be made by the Office of Analytic Studies.

RECOMMENDATIONS

The circulation study has fulfilled its primary objective of providing data on which to base the allocation of library costs. The basic
data has been preserved on magnetic tape providing a data base for further
analysis.

Each departmental or school librarian has received a printout showing usage of appropriate libraries and departments. These data need further analysis to show travel patterns by borrowers on the campus. It is suggested that Industrial Engineering students be invited to analyze the data from a logistics point of view. This type of study could yield information which could be used in future considerations of new facilities or combined collections.

Further consideration should be given to consolidation of collections from which circulation is small. For example, small collections in Agriculture, such as Forestry-Horticulture, Entomology, Biochemistry, and Agricultural Engineering are maintained in four separate facilities. Each library circulates a small number of items.

Additional study should be given to the use of materials in special subject areas. The circulation study indicated that libraries such as Mathematics and Psychology, are serving substantial number of students and faculty from outside their home departments. The Dewey class numbers of materials used by outsiders should be analyzed to determine their



general subject areas, and the extent of use by the home department and outsiders. Duplication of heavily used items through departmental or other funding should be considered where appropriate.

There are two important circulation data needs which were not satisfied by this study. The first need is the determination of the number of individual users relative to the population. At present, there is no convenient method of estimating the number of individual faculty members or students who actually use the library and the number who do not use the library. This data would be useful in planning future library services.

The second information need relates to the distribution of loans of material in each location. Specifically, a study should be undertaken to determine the number of books and journals which actually circulate, the number of times each piece is loaned and the proportion of each collection which is seldom or never used. This data would provide the basis for weeding collections and facilities planning.

Table 1
Research Development Unit
Circulation Study
Loans by Location

| Library | Number of loans | Number of items photocopied | Total loans* | % of Total |
|------------------------------|------------------------|-----------------------------|-----------------|---------------|
| General | 50,868 | . 0 | 50,868 | 48.6 |
| Krannert | 6,460 | _ 0 . | 6,460 | 6.2 |
| Life Science | 5,831 | 141 | 5,972 | .5.7 |
| Chemistry | 2 , 92 7 | 2,447 | 5 ,37 4 | 5.1 |
| Psychology | 5,214 | 0 | 5,214 | 5.0 |
| Home Economics | 4,946 | · 0 | 4,946 | 4.7 |
| Mathematical Sciences | 3,814 | .78 | 3,892 | 3.7 |
| Pharmacy ' | 2 ,133 | 690 | 2,823 | 2.7 |
| Aero, Astro, & Ind. Engrg. | ~ 2 , 239 | 0 | 2,239 | ?.1 |
| Electrical Engrg. | 2,097 | 29 | 2,126 | . 2.0 |
| Civil Engrg. | 1,967 | О . | 1,967 | 1.9 |
| Physics | 1,802 | 141 | 1,943 | 1.9 |
| Veterinary Medicine | 1,553 | 326 | 1,879 | 1.8 |
| Mechanical Engrg. | 1,637 | 0 | 1,637 | 1.6 |
| Chemical Engrg. & | 3 | • | 1 =0= | ء 1 ج |
| Materials Science Engrg. | 1,595 | 0 | 1,595 | 1.5 |
| Forestry-Horticulture | 1,506 | · ó | 1,506 | 1.4 |
| Geosciences | 1,409 | 0 | 1,409 | 1.4 |
| Biochemistry | 469 | 509 | 978 | •9 |
| Philosophy-Political Science | e 638 | 0 | 638 | 6 |
| Nuclear Engrg. | 466 | 0 | 466 | •5 |
| Aviation Technology | 385 | 0 | 385 | .74 |
| Entomology | 551 | 0 | 221 | .2 |
| Agricultural Engrg. | 63 | 0 | 63 | .1 |
| Total | 100,240 | 4,361 | 104,601 | 100.0 |

^{*}Includes photocopied items in Biochemistry, Chemistry, Electrical Engineering, Life Science, Mathematical Science, Pharmacy, Physics, and Veterinary Medicine. Loans for libraries will self service photocopy equipment is understated due to lack of data on number of items photocopied by users.

Table ?
Research Development Unit
Circulation Study
Loans by Level' of User

| Level | Number of loans | Number of items photocopied | Total loans | % of total |
|-------------------------|--------------------|-----------------------------|----------------|---------------|
| Faculty | 9,522 | 1,235 | 10,757 | 10.3 |
| Graduate Students | 35,860 | 2,182 | - 38,042 | 36.4 |
| Undergraduates | 43,567 | 140 | 43,707 | 41.8 |
| Purdue University Staff | 3,759. | .239 | 3,998 | 3. 8 |
| Interlibrary Loan | 2,002 | 1149 | 2,451 | 2.3 |
| Other | 5,530 | ı 11Ġ | 5,646 | 5.4 |
| Total | 100,240 | 4,361 | 104,6ò1 | 100.0 |

Table 3

Research Development Unit Circulation Study

Loans by Location and Level (1)

| ` ` | Facu | lty | Graduate S | tudents | Undergrad | luates | Interlibre | ry Loans |
|---------------------------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|
| Library | Number of loans | % of total |
| A Antun P Tuduntudal | | | | | , | | • | |
| Aero, Astro, & Industrial Enrgr. | 257 | 2.3 | 895 | 2.3 | 630 | 1.4 | ຸ 121 | 4.9 |
| Agricultural Engrg. | / 15 | 2 | 27 | .1 | îi | (5) | 0 | 0 |
| Aviation Technology | / 29 | 3 | i | (s) | 337 | `. é | 4 | .2 |
| Biochemistry | 249 | 2.3 | 216 | `.6 | 37 | .1 | 21 | .9 |
| Chemistry | 948 | 8.8 | 3,376 | 8.9 | . 643 | 1.5 | 39 | 1.6 |
| Chemical Engrg. and | | | · · | | , | | | |
| Materials Science Engrg. | 193 | 1.8 | 885 | 2.3 | 308 | .7 | 111 | 4.5 |
| Civil Engrg. | 105 | 1.0 | 811 | 2.1 | 777 - | 1.8 | 56 | 2.3 |
| Electrical Engrg. | 342 | 3.2 | 1,134 | 3.0 | 404 | •9 | 80 | 3.3 |
| Entomology | 40 | .4 | 36 | .1 .6 | 125 | .3 | 8 | .3 |
| Forestry-Horticulture | 89 | .8 | 224 | .6 | 1,078 | 2.5 | 60 | 2.5 |
| General (3) | 1, 000 | 38.1 | 14,756 | 38.8 | 27;193 | 62.2 | .466 | 19.0 |
| General Geosciences | 4,099 250 | 2.3 | 332 | 9.0 | 425 | 1.0 | 43 | 1.8 |
| Home Economics | 565 | 2.4 | 981 | 2.6 | 3,287 | 7.5 | 99 | 4.0 |
| Krannert | 826 | 7.7 | 3,303 | 8.7 | 1,68i | 3.9 | 187 | 7.6 |
| Life Science | 583 | 5.4 | 2,076 | 5.4 | 2,276 | 5.2 | 329 | 13.4 |
| | · | | | 1.0 | 970 | 1 | . 76 | 3.1 |
| Mathematical Sciences | 943 144 | 8.8 1.3 | 1,848 | 4.8 1.9 | 738 573 | 1.7 | 60 | 2.5 |
| Mechanical Engrg. | 26 | .2 | 722 244 | 1.9 | 151 | .3 | 6 | 1 .2 |
| Nuclear Engrg. | 383 | 3.6 | 1,201 | 3.2 | 699 | 1.6 | 294 | 12.0 |
| Pharmacy Philosophy-Political Science | | 1.0 | 369 | 1.0 | 111 | .2 | 6 | .2 |
| Philosophy-Political Science | ٠ ـ ا | 1.0 | ,,,, | | | | | |
| Physics | . 248 | 2.3 | i,116 | 2.9 | 349 | 8 | 39 | 1.6 |
| Psychology | 320 | 3.0 | 2,763 | 7.3 | 1,650 | 3.8 | 69 | 2.8 |
| Veterinary Medicine | 301 ± | 2.8 | - 1/21. | 1.9 | 224 | •5 | 277 | 11.3 |
| Total | 10,757 | 100.0 | 38,042 | 100.0 | 43,707 | 100.0 | 2,451 | 100.0 |

⁽¹⁾ Includes photocopied items in Biochemistry, Chemistry, Electrical Engineering, Life Science, Mathematical Sciences, Pharmacy, Physics, and Veterinary Medicine.

⁽²⁾ Less than .1%

⁽³⁾ Includes loans of departmental library material stored in the attice or warehouse

Table 3A

Research Development Unit

Circulation Study

Percent Distribution of Loans to

Purdue User Groups by Location

| • | Loans to | Per | cent Distrib | ution |
|---|-----------|---------|----------------------|---------------------|
| Library | Purdue(1) | Faculty | Graduate Students | Under- Graduates |
| Aero, Astro, & Industrial Engrg. Agricultural Engrg. Aviation Technology Biochemistry Chemistry | 1,702 | 14.4 | 50.2 | 35.4 |
| | 53 | 28.3 | 50.9 | 20.8 |
| | 367 | 7.9 | .3 | 91.8 |
| | 502 | 49.6 | 43.0 | 7.4 |
| | 4,967 | 19.1 | 68.0 | 12.9 |
| Chemical Engrg. and Materials Science Engra Civil Engrg. Electrical Engrg. Entomology Forestry-Horticulture | g. 1,386 | 13.9 | 63.9 | 22.2 |
| | 1,693 | 6.2 | 47.9 | 45.9 |
| | 1,880 | 18.2 | 60.3 | 21.5 |
| | 201 | 19.9 | 17.9 | 62.2 |
| | 1,391 | 6.4 | 16.1 | 77.5 |
| General Geosciences Home Economics Krannert Life Science | 46,048 | 8.9 | 32.0 | 59.1 |
| | 1,007 | 24.8 | 33.0 | 42.2 |
| | 4,530 | 5.8 | 21.6 | 72.6 |
| | 5,810 | 14.2 | 56.9 | 28.9 |
| | 4,935 | 11.8 | 42.1 | 46.1 |
| Mathematical Sciences Mechanical Engrg. Nuclear Engrg. Pharmacy Philosophy-Political Science | 3,529 | 26.7 | 52.4 | 20.9 |
| | 1,439 | 10.0 | 50.2 | 39.8 |
| | 421 | 6.2 | 57.9 | 35.9 |
| | 2,283 | 16.8 | 52.6 | 30.6 |
| Physics Psychology Veterinary Medicine | 1,713 | 14.5 | 65.1 | 20.4 |
| | 4,738 | 6.8 | 58.1 | 34.8 |
| | 1,246 | 24.1 | 57.9 | 18.0 |
| Total | 92,506 | 11.6 | 41.1 | 47.3 |

⁽¹⁾ Includes photocopied items.



⁽²⁾ Includes loans of departmental library material stored in the attic and warehouse.

Table 4.1

Research Development Unit

Circulation Study

Loans to Faculty and Students

By School and Department

| School/Department | Number of loans | Number of items photocopied | Total loans | % of total |
|-----------------------------|-----------------|-----------------------------|------------------------|---------------|
| Agriculture-Administration | 2,171 | 1 | 2,172 | 2.1 |
| Agricultural Economics | 1,175 | 0 | 1,175 | 1.1 |
| Agricultural Engineering | 131 | O | 131 | 41 |
| Agronomy | 696 | . 0 | 696 | •7 |
| Animal Sciences | · 568 | 0 | 568 | • • 5 |
| Biochemistry | 461 | . 149 | 610 | .6 |
| Botany & Plant Pathology | 422. | o · | 422 | .4 |
| Entomology | 404 1 | 29 | 433 | .4 |
| Forestry & Natural Resource | s 1,556 | Ó | 1,556 | 1.5 |
| Horticulture | 775 | 54 | 829 | .8 |
| Total | 8,359 | -233 | 8,592 | 8.2 |
| Engineering-Administration | 94 | ·. 0 | , 94 | .1 |
| | 1,121 | . 0 | 1,121 | 1.1 |
| Aero and Astro Engrg. | 1,086 | . 53 | 1,119 | 1.1 |
| Chemical Engrg. | 2,212 | . 0 | 2,212 | 2.1 |
| Civil Engrg. | 2,393 | 27 | 2,420 | 2.3 |
| Electrical Engrg. | 1,230 | 0 | 1,230 | 1.2 |
| Freshman Engrg. | 854 | 0 | 1,250 | .8 |
| Industrial Engrg. | | 13 | 1,989 | 1.9 |
| Mechanical Engrg. | 1,976 | | 322 | •3 |
| Materials Science Engrg. | 297 483 | , 25 3 | - 486 | •5 |
| Nuclear Engrg. | 462 462 | 0 | 460 462 | |
| Interdisciplinary Engrg. | 402 | U | | - |
| Total | 12,208 | 101 | 12,309 | 11.8, |
| Home Economics-Administrati | on 2,245 | O | 2,245 | 2.? |
| Clothing and Textiles | 1,503 | 0 | 1,503 | 1.4 |
| Housing, Equipment and | _ | | | `_ |
| Environment | 947 | 0 | 947 | .9 |
| Foods & Nutrition | 1,419 | . 0 | 1,419 | 1.4 |
| Home Management and | | _ | 1.75 | |
| Family Economics | 462 | 1, | 463 | • 14 |
| Restaurant & Hotel Manage- | 0 | | | - 1. |
| ment | 428 | . 0 | 428 | • 4 |
| Child Development and | | _ | 3 ^{<-} 000 | 7.0 |
| Family Life | 1,009 | 0 | 1,009 | 1.0 |
| Total | 8,013 | ٥ ١ | 8,014 | 7.7 |
| | -, | | , | |

a Includes photocopied items.

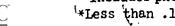


Table 4.2

Research Development Unit Circulation Study Loans to Faculty and Students By School and Department

| School/Department | Number of loans | Number of items photocopied | Total loans ^a | % of total |
|---|---|--|--|--|
| HSSE-Administration Creative Arts Audiology & Speech Sciences Education English | 1,082 2,444 1,136 5,363 4,641 | 0 0 0 . 0 | 1,082 2,444 1,136 5,363 4,641 | 1.0 2.3 1.1 5.1 4.4 |
| General Studies History Foreign Language and | ?1 ?,676 | 0 | 21 2,676 | 2.6 |
| Literature Philosophy Physical Education-Men Physical Education-Women | 3,046 690 970 828 | 0 0 0 | 3,046 690 970 828 | 2.9 |
| Political Science Psychological Science Sociology and Anthropology Communication American Studies | 2,770 4,041 2,209 2,583 17 | 0 0 0 0 | 2.770 4,041 2,209 2,583 17 | 2.7 3.9 2.1 2.5 |
| Total | 54 ,517 | 0 | 34,517 | 33.0 |
| Industrial Administration | 5,584 | . , 9 | 5,593 | 5.3 |
| Pharmacy-Administration' Bionucleonics Medicinal Chemistry and | 458 35 7 | 115 50 | 573 407 | •5 •4 |
| Pharmacognosy Pharmacology and Toxicology Clinical Pharmacy Industrial and Physical | 270 2 37 64 | 248 46 42 | 518 283 106 | •5 •3 •1 |
| Pharmacy | 192 | 130 | 322 | •3 |
| Total | 1,578 | 631 | 2,209 | 2.1 — |
| Science-Administration Biological Sciences Chemistry Mathematical Sciences Physics Geosciences Computer Sciences Statistics Total | 740 3,476 2,789 2,691 1,547 1,012 999 497 | 0 34 2,410 52 20 4 12 0 | 740 3,510 5,199 2,743 1,567 1,016 1,011 497 | .7 3.3 5.0 2.6 1.5 1.0 1.0 |
| 10tar j | سرا ورس | ' 9)) ' | ٠,٠٠٠ | -/ |

a Includes photocopied items. *Less than .1%



Research Development Unit Circulation Study

Table 4.3

Loans to Faculty and Students
By School and Department

| School/Department | Number of loans | Number of items photocopied | Total loans | % of total |
|--|--|-----------------------------|---|----------------------------------|
| Veterinary Medicine- Administration Veterinary Anatomy Veterinary, Microbiology, | 1 <u>+1</u> 1+ | 15 1 | 429 . _ 89 | 1 . 1 |
| Pathology & Public Health Veterinary Physiology and Pharmacology | 220 28 | 55 1 | 253 29 | •ĉ |
| Animal Clinics | 53 | Õ | 53 | .1 |
| Total | 803 | . 50 | 853 | 8. |
| Aviation Technology Construction Technology Electrical Technology Industrial Education Manufacturing Technology Nursing Supervision Technology | 1475 105 230 651 327 786 151 | 0. 0 0 0 0 0 | 475 105 230 654 327 786 154 | .5 .1 .2 .6 .3 .7 |
| Total | ^,7 ³ 1 | 0 | 2,731 | 2.6 |
| Subtotal. | 87,5հհ | 3,557 🗻 | 91,101 | 87.1 |
| Other Purdue Interlibrary Loan and | 5,16h | ?39 | 5,403 | 5.8. |
| Other | 7,537 | 565 | 8,097 | 7.7 |
| Total | 100,240 | 4,361 | 104,601 | 100.0 |

a Includes photocopied items.

^{*}Less than .1%

Table 5.1

Research Development Unit
Circulation Study
Distribution of Loans to Faculty and Students
By School and Department (1)

| | Faculty | | Graduate Students | | Undergraduates | |
|--|---------------------|----------------|--------------------|-------------------------|--------------------|----------------|
| School/Department | Number of loans | % of total | Musber of loans | % of total | Number of loans | \$ of total |
| Agriculture-Administration | 19. | 1.2 | 53 | 7.1 | 2,100 | 4.9 |
| Agricultural Economics | 31.9 | 3.4、 | 635 | 1.7 | 191 | 4 |
| Agricultural Engrg. | 17 | 2 | 55 | .š | 59 | 1.1 |
| Agronomy Animal Sciences | 78 87 | .8 | 492 | 1.3 | 126 308 | .7 |
| Biochemistry | 731 | 2.2 | 173 | 1 .5 | 117 | 1 |
| Botany & Plant Puthology | 110 | 1.2 | 256 | 7 | 46 | 1 .1 |
| Entomology | 105 | 1.0 | 155 | 1 .4 | 173 | 16 |
| Forestry & Natural Resources | 131 | 1.3 | 190 | .5 | 1,235 | 2.9 |
| Horticulture | 125 | 1,2 | 131 | .3 | 573 | 1.3 |
| Total | 1,262 | 12.3 | 2,402 | 6.4 | 4,928 | 11.4 |
| Engineering-Administration | 93. | .9 | 1 , 1 | • | 0 | 0 |
| Aero and Astro Engrg. | 175 - | 1.7 | · 526 | 1.4 | 420 | 1.0 |
| Chemical Engrg. | 135 | 1.3 | 658 | 1.9 | 286 | .7 |
| Civil Engrg. | 259 360 | 2.5. 3.5 | 1,201 | 3:2 3:6 | 754 | 1.7 |
| Freshwan Energ. | ũ | 1 .1 | 1 776 | 1 6 | 1,219 | 2.8 |
| Industrial Engrg. | $\overline{77}$ | .8 | 466 | 1.2 | 311 3 | 1.7 |
| Mechanical inerg. | 747 | 2.4 | . 979 | 2.6 | 765 | 1.8 |
| Materials Science Engrg. | 65 | · -6 | 148 | .4 | 109 | .3 |
| Nuclear Engrg. | 32° | 1.3 | 419 | 1,1 | 0 | , 0 |
| interdisciplinary Engrg. | 5 | , , | , s | • | 491 | 1.4 |
| Total | 1,456 | ~ 14.1 | 5,789 | 15.4 | 5,064 | 11.7 |
| Home Economics-Administration | ، ، ه | | . 1 | | 2,238 | 5.2 |
| Clothing and Textiles | 37 🔞 | 1.4 | 515 | 1 .7 | 1,19 | 2.8 |
| Housing Equipment & Environment | | 2014 | \$10 | .6 , | 696 | 1.6 |
| Foods and Kutrition Home Managerent and | 70 | | 371 | 1.0 | 978 | 2.3 |
| Family Economics | 24, 0 | .2 . | 203 | .5 | 236 | .5 |
| Restaurant and Hotel | | , | , ,,, | 1 ~ | | 1 '' |
| Management | 11 ⁷ × , | 1 .1 . | 132 | .3 | 785 c. | .7 |
| Child Development and | * 1 | 1 15 | l . | | , | 1 |
| Family Life | 36 | , 4 , | 973 | . 2.6 | 0 | 0 - |
| Total . | १२५ | 2.2 | 2,162 | 5.7 | 5,627 | 13.1 |
| HSSE-Administration | 55 | * ** S | 0 | 0 | 1,060 | .2.5 |
| Creatave Arto | 237 , | · 2.3 | 513 | 1.4 | 1,694 | 3.9 |
| Audiology & Speech Sciences Education | 170 " 345 | * 1.2 3.4 - | 374 3,083 | 1.0 ⁻ 8.2 | 1,935 | 1.5 |
| English | 821 | * 8.0 | 2,726 | 7.2 | 1,09 | 2.5 |
| General Studies | 17 | .1 | 1, 100 h | ' ' | 1,000 | 0 |
| History | 372 | 3.6 | 906 | 2.4 | 1,399 | 3.2 |
| Foreign Language and | _ | | | | | 1 |
| Literature | 657 | 6.4 | 1,607 | 4.3. | 782 | 1,8 |
| Philosophy | 176 | . 1.7 | 286 111: | .8 .3 | 228 854 | 2.0 |
| Physical Education-Man Physical Education-Manon | 15 | . i ' | 47 | .1 | 766 | 1.8 |
| Political Science | 180 | 1.7 | 1,433 | 3.8. | 1,157 | 2.7 |
| Psychological Science | :115 | . 2.4 | 2,228 | . 5.9 6 | 1,568 | 3.6 |
| Sociology and Anthropology | 247 , | 2.14 | 948 | 2.5 | 1,01/ | 2.4 |
| Cormunication | 59 | .6 | 1,000 | 2.7 | 1,50% | 3.5 |
| American Studies | 17 | .2 ^ | · ′0 | 0 " | 1 0 | ľo |
| American Scuales , | | | | | 1 | 36.4 |

⁽¹⁾ Includes photocopies

Toble 5.2

Research Development Unit Circulation Study.

Distribution of Loans to Faculty and Students By School and Department (1)

| -: | i Fecul | | 1 Canadas - | Students | 1000000 | duat as | |
|--|---|---|---|---|--|--|--|
| | | · | | | Undergraduates | | |
| School/Department | Number - of loans | % of total | Number of Jours | % of total | Number of loans | % of total | |
| Industrial Management | 371 | 3.6 | , 2,11h. | - 15.6 | 3,108 | 7.2 | |
| Pharmacy-Administration Bionucleonics | 70 48 | •7 | 57 336 | , .2 .9 | 578 [^] , 0 | 1.3 | |
| Medicinal Chemistry and Pharmacognosy Pharmacology and Toxicology Clinical Tharmacy | 113 80 38 | 1.1 .8 .3 | 310 / 203 68 | .8 5 2 | 0 0 0 | 0 0 0 | |
| Industrial and Physical Pharmacy | 54. | 5 | 5211 | .7 | 0 | 0, | |
| Total | 403 | 3.5 | 1,228 | 3.3 | 578 | 1.3 | |
| Science-Administration Biological Sciences Chemistry Mathematical Sciences Physics Geosciences Computer Sciences Statistics | 0 290 1,012 731 215 240 114 | 0 2 8 9.8 7.1 2.1 2.4 1.1 | 0 1,155 3,530 893 901 lihit 315 lio9 | 0 3.0 9.4 2.4 2.4 1.2 | 740 2,065 657 1,119 451 332 582 | 1.7 4.8 1.5 2.6 1.0 .8 | |
| Total | 2,674 | 26.0 | 7.647 | 20.3 | 5,962 | 1.13.8 | |
| Veterinary Medicine- Administration Veterinary Anatomy Veterinary, Microbiology, | 18 56 | .8 | 411 33 | 1,1 | 0 | 0 ? | |
| Pathology & Public Health Veterinary Physiology and Pharmicology Animal Clinics | 116 · 24 - 43 | 1.1 | 137° ,45 10 | .4 | 0 | 0 | |
| Total | 157 | 2.5 | 596 | 1.6 | 0. | 0 | |
| Aviation Technology Construction Technology Electrical Technology Industrial Education Manufacturing Technology Nursing Supervision Technology Total | 32 0 4 39 21 12 7 115 | .3 0 .4 .2 .1 .1 | 20 420 0 | 0 | 443 105 226 195 - 4 306 774 147 2,196 | 1.0 .5 .5 .7 *1.8 .3 5.1 | |
| Totals | 10,295 | 100.0 | 37,647 | 100.0 | 43,159 | 100.0 | |

⁽¹⁾ Includes photocopies.
*Less than .17

Table 5A.1

Research Development Unit

Circulation Study

.Distribution of Purdue

Population Groups and Library Loans (1)

| • | • | | | | • | |
|---|-------------------|-------------------|-------------------------------|--------------------|-------------------------------|-------------|
| •• | Facul | _{ty} (2) | Graduate | Students ' | Undergra | duates |
| : School/Department | ∲ Popu- lation | % loans | <pre>% Popu- lation</pre> | % loans | <pre>% Popu- lation</pre> | % loans |
| A Administration | . 7 | .2 - | . 0 | .1 | 7.8 | 4.9 |
| Agriculture-Administration Agricultural Economics | 2.7 | 3.4 | 1.6 | 1.7 | . 1.1 | . 4. |
| Agricultural Economics | 1.3 | 2 | •5 | .2 | .2 | .1 |
| Agricultural Engrg. | 3.0 | 8 | 1.9 | 1.3 | .6 | •3 |
| Agronomy = | 3.1 | .8 | 1.3 | • 5 | 1.6 | .7 |
| Animal Sciences | 2.0 | 2.2 | 1.0 | 7 | •3 | -3 |
| Biochemistry | 1.9 | 1.2 | .8 | .7 | 1 | .1 |
| Botany & Plant Pathology | 1.8 | 1.0 | •7 | 14 | .2 | _4 |
| Entomology | 1.6 | 1.3 | •9 | Š | 1.8 | 2.9 |
| Forestry & Natural Resources | 1.8 | 1.2 | :5 | •5 •3 | 1.3 | 1.3 |
| Horticulture | | | (31) | | | |
| Toţal | 19.9 | 12.3 | 9.5(3) | , 6.4 | 15.0 | 11.4 |
| Engineering-Administration | -14 | •9 | 0 . | * | . 3 | 0 |
| Aero and Astro Engrg. | 1.6 | 1.7 | 1.5 | . 1.4 | 1.1 | 1.0 |
| Chemical Engrg. | 1.1 | 1.3 | 1.4 | " 1.9 | 1.2 | -7 |
| Civil Engrg. | 3.5 | 2.5 | 4.1. | 3.2 | 2.2 | 1.7 |
| Electrical Engrg. | 3.1 | 3.5 | 4.7 | . 3.6 | 2.9 | 1.6 |
| Freshman Engrg. | . 6 | .1 | 0 | 0 | 6.6' | 2.8 |
| Industrial Engrg. | 1.2 | .8 | 1.6 | 1.2 | ° 1.1 | .7 |
| Mechanical Engrg. | -3.3 | 2.4 | 3. 4 . | 2.6 | 3.0. | 1.8 |
| Materials Science Engrg. | •7 | . 6 | •5 | -14 | . 2 | . 3 |
| Nuclear Engrg. | , . 6 | •3 | 1.0 | 1.1 | 0_ | 0 |
| Interdisciplinary Engrg. | . * | * | * | *′ | 1.3 | 1.4 |
| Total | 16.1 | 14.1 | 7, 18.2% | 15.4 | 19.9 | 11.7 |
| Home Economics-Administration | 14 | * . | 0 | * | 1.7 | 5.2 |
| Home Economics Administration | .6 | .4 | _14 | •7 | 7.4 | 2.8 |
| Clothing and Textiles | | .4 | .4 | .6 | 1.5 | 1.6 |
| Housing, Equipment & Environmen | t •5 | .7 | 1.0 | 1.0 | 1.3. | 2.3 |
| Foods and Nutrition | | _ | .6 | 6 | .3 | •5 |
| Home Management & Family Econom | ics 4 | | •3 | • , 3 · | .7 | .7 |
| Restuarant & Hotel Management | .14 | 1 | •) | رو | • • | •• |
| · Child Development and | .8 ÷ | .4 | 1.6 | 2.6 | 1.0 ° | 0 |
| Family Life | - | | | | | 13.1 |
| Total | 3.8 ° | 2.2 | 14.14 | 5 . 7 | 7•9 _" | 1,7.1 |
| · c | | | _ | _ | 2 | 2.5 |
| HSSE-Administration | .4 | .2 | 0 , | 0; 1.4 | .2 1.9 | 3.9 |
| Creative Arts | 2.2 | 2.3 | 1.6 ′ | | | 1.5 |
| Audiology & Speech Sciences | ' 1.5 | 1.2 | 1.7 | 1.0 | 1.5 | |
| Education | 773.3 | 7.4 | 17.1 | | — - 3- 3- · | 2.5 |
| English | 3. 7 ' | 8.0 | 3.5 | 7.2 | ·9 | |
| General Studies | ,0 | 3.6 | 0_*, | * • • | 1.9. | 3.2 |
| History / | 1.6 | 3.6 | •7 | 2.4 | •5 | . '), e |
| Foreign Language and | | | | 1. 3 | .8 | ~ 1.8 |
| Literature | 2.4 | 6.4 | 1.3 | 4.3 | .1 | .5 |
| Philosophy . | 1.1 | 1.7 ´ * | 6 | .8 .3 | 1.7 | 2.0 |
| Physical Education-Men | ÷7 | | 1.2 .1 | .1 | .6 | 1.8 |
| Physical Education-Women | ·9 | ,1 ´ | 1.2 | 3.8 | 1.2 | 2.7 |
| Political Science | 1.3 | 1.7 2.4 | μ.π 1•ς | 5.9 | 1.7 | 3.6 |
| Psychological Science | * 2.7 1.9 | 2.4 | 1.4 1.4 | 2.5 | 1.0 | 2.4 |
| Sociology and Anthropology | 1.3 | .6 | 1.9 | 2.7 | 1.8 | 3.5 |
| Communication | 0 | .2 | 0 | 0 | Ö, | «ο΄. |
| American Studies | | | | | | 36.4 |
| Total | à 25.0 | 34.3 | 36.7 | 40.6 | 19.7 | ., 50.4 |

⁽¹⁾ Includes photocopied items and population based on data supplied by the Registrar's Office and the Personnel Office.

⁽²⁾ Teaching faculty only.
(3) 14 students (.3%) in Agricultural Extension Education included in total. *Less than .1%



Table 5A.2

Research Development Unit

Circulation Study

Distribution of Purdue

Population Groups and Library Loans (1)

| • | Facu | 1ty ⁽²⁾ | Graduate | Studen'ts | Undergr | aduates |
|---|---------------------|--------------------|-----------------------------|--------------|-------------------|-------------|
| School/Department | ≸ Popu- · lation | % loans | <pre>Popu- lation</pre> | % loans | ≸ Popu- lation | % loens |
| Industrial Management | 3.7 | 3. 6 | 7.6 | 5.6 | 11.1 | 7.2 |
| Pharmacy-Administration | . 2 · | : 7 | 0 | .2 | 3.3 | 1.3 |
| Bionucleonics | .6 | . •5 | 1.0 | •9 | . 0 | 0 |
| , Medicinal Chemistry and | | 1'.1 | .5 | .8 | O, | ο . |
| Pharmacognosy | 1.0 .6 | *.1 8 | .4 | _ | ŏ | ŏ |
| Pharmacology and Toxicology | .8 | •3 | •3 | | ,, o | o · |
| Clinical Pharmacy Industrial and Physical | •0 | • / | • • • | , | 70 | • |
| Pharmacy | .5° | •5 | .6 | .7 | 0 | 0. |
| Total | 3.7 | 3.9 | 2.8 | 3.3 | 3•3 ° | ~1.3 |
| . 10021 | , | | | | | |
| Science-Administration | .2 | 0 | 0 | 0 | 2.2 | 1.7 |
| Biological Sciences | 3.4 | 2.8 | 3.2 | 3.0 | 5.3 | 4.8 |
| Chemistry | 4.2 | 9.8 | 5.6 | 9.4 | 1.1 | 1.5 |
| Mathematical Sciences | 3.7 | . 7.1 | 2.4 | 2.4 | 2.1 | 2.6 |
| Physics | . 3.8 | 2.1 | 2.7 | 2.4 | •6 | 1.0 .8 ; |
| Geosciences | 1.3 | 2.4 | 1.4 | 1.2 | 8. | |
| Computer Sciences | 1.1 | . 1.1 | 2.3 | .8 | _ 1. 4 | 1.4 * |
| Statistics | . •9 | •7 | 1.1 | 1.1 . | · * | • |
| Total | 18.6 | 26.0 | 18.7 | 20.3 | 13.5 | 13.8 |
| at toutureme Meddedno- | • | | | | | |
| Veterinary Medicine- Administration | .4 | .2 | •3 | 1.1 | 1.3 | 0 |
| | •5 | •6 | •5 | .1 | O ; | 0 . |
| Veterinary Anatomy Veterinary, Microbiology, | •/ | • | | | | • |
| Pathology & Public Health | .8 | 1.1 | •5. | 4 | . 0 | 0 |
| Veterinary Physiology and | * | | - | | * * | _ |
| Pharmacology | •3 | .2 | .1 | . * | 0 | 0 |
| Animal Clinics | 1.4 | -14 | .1 | · * | 0 | 0 |
| Total | 3.4 | .2.5 | 1.2 | 1.6 | 1.3 | 0 |
| | _ | | | • | 1.1 . | 1.0 |
| Technology-Administration | 1.3 | •3. | 0 | , 0 | 1.0 | .3 |
| Aviation Technology | 2 | 0 | 0 | 0 | 1.4 | |
| ·Construction Technology | .8 | *.4 | •9 | 1.1 | •5 | · • 5 |
| Electrical Technology | •7 | .2 | 0 | 0 | 1.3 | •7 |
| Industrial Education | .9 1.5 | .1 | ő | Ö | 2.1 | 1.8 |
| Manufacturing Technology | •3 | :î | ŏ | Ö | •9 | •3 |
| Nursing | .2 | 0 | , 0 | 0 | 0 | o |
| Supervision Technology | | • | , | 1.1 | 8.3 | 5.1 |
| Total | 5.8 | 1.1 | •9 | . 1.1 | | |
| Totals | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100000 | | - , | | | . > | , |

⁽¹⁾ Includes photocopied items and population based on data supplied by the Registrar's Office and the Personnel Office.

⁻⁽²⁾ Teaching faculty only.
*Less than .1%

Tuble 6.1 Research Development Unit Circultation Study Loons Per Capita by Level, Department, and School (1)

| O O O 8.2 | lation loan | Capita rs |
|-------------------|---------------------|-------------------------------|
| 77 . 8.2 | 1.571 | |
| 77 . 8.2 | | 1.3 |
| 06. | | .9 . |
| 26 2.1 | 45 1 | 1.3 |
| 92 5.3 | 1115 1 | 1.1 |
| Ci 2.7 | 315. 1 | 1.0 |
| 51 5.1 | | 1.9 |
| 39 6.7 | | 2.2 |
| . 31 5.0 | | 3 |
| 46 4.1 | | 3.3 |
| 211 5.5 | 269 2 | ? .1 |
| 163(3) 5.2(4) | 3,031 1 | ı.6 , |
| 0 . 0 | 55 0 |) |
| 76 6.9 | | .0 |
| 68 10.3 | | 1.1 |
| 201 6.0 | | 1.7 |
| .228 6.0 | | ١,2 |
| 0 0 | | •9 |
| 79 5.9 | | L.4 |
| 169 5.8 | | 1.3 |
| 23 6.4 | | .5 |
| 47 . 8.9 | 7 765 1 | |
| 1 / 2.0 | 1 (0) 1 | .9 |
| 89? 6.5(5) | 4,042 1 | í . 3 |
| o ô | | 5.4 |
| 21 13.0 | 293 3 4 | .1 |
| 18 11.7 | 1 20% | ·.4 |
| 18 11.7 51 7.3 | | • 4 |
| 71 (1.2) | 1 10 2 | • (|
| 29 7.0 | 59 4 | .0 |
| ., | " " | •• |
| 17 7.8 | 1 130 / 2 | 2.1 |
| ,-1 | | • • |
| 80 12.2 | 195 0 |) |
| | , 1 | .5 |
| | 17 7.8 7 80 12.2 | 17 7.8 139 2 80 12.2 195 0 |

⁽¹⁾ Per Capita figures are based on head count data supplied by the Registrar's Office and the Personnel Office.

⁽²⁾ Teaching faculty only.

⁽³⁾ to dditional students in Extension Education added to total only.

⁽⁴⁾⁵³ loans rade to graduate students, in Agriculture-Administration included in per capita total only.

⁽⁵⁾¹ loan made to graduate students in Engineering-Administration and Home Economics-Administration included in per capita total only.

mble 6.2

Research Development Unit Circulation Study Loans Per Capita by Level, Department, and School (1)

| Department, and School | | | | | | |
|---|-----------------|---------------------|-------------------|---------------------|-----------------|---------------------|
| | Faculty (f) | | Graduate Students | | Undergraduates | |
| School/Department | Pepu- lation | Per Capita loans | l'opn- lation | Per Capita loans | Popu- lation | Per Capita louns |
| HSSE-Administration | 8 | 2.8 | 0 | 0 | 40 | 26.5 |
| Creative Arts | 1,1, | 5.4 | 76 | 6.8 | 394 | 4.3 |
| Audiology & Speech Sciences | 29 | 4.1 | 81, | 4.5 | 301 | 2.1 |
| Education English | 65 | 5.3 11.2 | 838 | 3.7 | 797 | 2.4 5.8· |
| General Studies | 73 | 0 | 172 | 15.8 | 189 377 | 3.0 |
| History | 32 | 11.6 | 33 | 27.5 | 105 | 13.3 |
| · Foreign Language and | | | " | 1 | 1 | -3.5 |
| Literature | 48 | 13.7 | 62 | 75.9 | 162 | 4.8 |
| Philosophy | 21 | 8.4 | 27 | 10.6 | . 29 | 7.9 |
| Physical Education-Men | 1.5 | 1 | 61. | 1.9 | *350 | 2.4 |
| Physical Education-Women | 17 | .9 | 60 | 9.4 | 111 | 6.9 |
| Political Science | 25 | 7.7 | | 23.9 | 261 | 4.8 |
| Psychological Science Sociology and Anthropology | 5h 37 | 6.7 | 214 71 | 10.4 | 348 210 | 4.5 |
| Courunication | 26 | 2.3 | 92 | 11.1 | 350 | 4.3 |
| Arcrican Studies | 10 | 6 | 0 | 0 | 700 | 0 |
| Total | 1194 | ľ | 1 | 1 - | 1 | 1 |
| • | , | 7.1(6) | 1,795 | 8.5(7) | 4,007 | 3.9 |
| Industrial Administration | 73 | 5.1 | 371 | 5.7 | 2,245 | 1.4 |
| Pharmacy-Administration | 3 | `?3.3 . | 0 | 0 / | 659 . | .9 |
| Bionucleonies | 13 | 3.7 | 51 | 6.6 | 0. | 0 |
| Medicinal Chemistry and | ,, | | | | | Ί. |
| Pharmacognosy | 19 | 5.9 | 23 | 13.5 | 0 | 0 |
| Pharmacy and Toxicology Clinical Pharmacy | 13 16 · | 6.2 | 21 | 2.7 | 0 | 0. |
| Industrial and Physical | 16. | 5.4 | 13 | 5.2 | 1 " | . 0 |
| Fhurney | 9 - | 6.6 | - 29 | 8.8 | 0 . | 0. |
| Total | 13 | 5.5 | 137 | 2.0(8) | 659 | 8 |
| ~ | | ' | | | | I . |
| Science-Administration . | 14 | 0 | 0 | 0 | 440 | 1.7 |
| Biological Sciences | . 67 | . 4.3 | 156 | 0 | 1,070 | 1.9 |
| Checulstry | . 82 | 12.3 | 273 | 4.2 | 216 | 3.0 |
| Mithematical Sciences | 73 76 | 10.0 2.8 | 119 134 | 29.7 6.7 | 114 | 2.6 4.0 |
| Physics Geosciences | 25 | 9.6 | (3) | 13.3 | 155 | 2.1 |
| Computer Sciences | 55 | 5.2 | ııı. | 4.0 | 795 | 2.0 |
| Statistics | 18 | 4.0 | 52 | 6.0 | 15 - | 1.1 |
| Total . | 367 | 7.3 | 913 | 8.4 | 2,728 | 2.2 |
| | <i>></i> -1 | | 347 | V•* | 2,,.0 | |
| Veterinary Medicine- | 8 | 2 2 | 3- 1 | 07 1 | 201. | 1 |
| Veterinary Anatomy | 10 | 2.3 5.6 | 15 10 | 27.4 | 274 | 0. |
| Veterinary Hierobiology. | . 10 | 2.0 | 10 | 3.3 | ِ 0ء | 1 " |
| Puthology & Public Health | 15 | 7.7 | 26 | 5.3 | 0 5 | 0. |
| Veterinary Physiology and | ~ | 1.1 | | ر., | , | |
| Inarracology | 7 | 3.4 | 6 | .8 | 0 | 0 |
| Animal Clinics | 1 | 1.6 | 3 | 3.3 | Ö | Ö |
| Total | 67 | 3.8 | 60 · | 9.9 | 274 | 0 |
| Aviation Technology | 26 | 1.2 | 0. | o | 223 | 2.0 |
| Construction Technology | 3 | 0 | 0 | Ö | 198 | .5 |
| Electrical Technology | 16 | .3 | 0 1 | 0 | 284 | 8. |
| Industrial Education | . 33 | 3.0 | 1414 | 9.5 | 95 265 | .~ 2.1 |
| Enufacturing Technology | 17 | 1.2 | 0 | 0 | | 1.2 |
| Rursing | 50 | i | 0 | ′0 | 1126 | 1.8 |
| Supervision Technology | 6 | 1.2 | 0 | 0 | 195 | .8 |
| Technology Administration | , | 0 | 0 | 0 | 0 | 0 |
| Total. | , 115 | 1.0 | 1414 | 9.5 | 1,626 | 1.3 |
| Sint of the | 3.000 | | , , , , , | | 20 (20 | 0.3 |
| Totals | 1,978 | 5.8 . | 4,891 | 7.7 | 20,270 | 2.1 |

⁽¹⁾ Per Capita figures are based on head count data supplied by the Registrar's Office and the Personnel Office.

^(?) Teaching faculty only.

(6) No faculty in General Studies or American Studies, 34 loans and 17 loans respectively, included in the perceptite total only.

^{(7),} loans to graduate students in General Studies included in per capita total only.

^{(8),7} loans to graduate studen's in marricy-Accimistration included in per capita total only.